

This Patient Group Direction (PGD) must only be used by registered healthcare professionals who have been named and authorised by their organisation to practice under it. The most recent and in date final signed version of the PGD should be used.

PATIENT GROUP DIRECTION (PGD)

Supply of clarithromycin tablets/oral suspension/oral solution for the treatment of acute bacterial sinusitis (rhinosinusitis) under the NHS England commissioned Pharmacy First service

Version Number 1.1

Change History		
Version and Date	Change details	
Version 1.0 January 2024	New template	
Version 1.1 January 2025	 Minor typo corrected: Corrected "10 days or more" to "more than 10 days" in Inclusion criteria TARGET TYI RTI leaflet information updated Lercanidipine contraindicated with clarithromycin use highlighted in "Cautions including any relevant action to be taken" section Addition of: "Chloroquine or hydroxychloroquine Lomitapide Ivabradine Medicines where concomitant use with a strong CYP 3A4 inhibitor (i.e. clarithromycin) is contraindicated (e.g.	



ORGANISATIONAL AUTHORISATIONS

Name	Job title and organisation	Signature	Date
Senior doctor	Prof. Sir Stephen Powis National Medical Director	Stor By	29.04.25
Senior pharmacist	David Webb Chief Pharmaceutical Officer	ORMO	29.04.25
Specialist in microbiology	Prof. Mark Wilcox National Clinical Director, IPC/AMR	Norte Link.	29/04/25
Person signing on behalf of <u>authorising</u> <u>body</u>	David Webb Chief Pharmaceutical Officer	AMA	29.04.25



PGD DEVELOPMENT GROUP

Date PGD comes into effect:	31/01/2024
Review date	30/07/2026
Expiry date:	30/01/2027

This PGD has been peer reviewed by the Upper Respiratory Tract Infection (URTI) antimicrobial national PGD Short Life Working Group in accordance with their Terms of Reference. It has been reviewed by The Advisory Committee on Antimicrobial Prescribing, Resistance and Healthcare Associated Infection (APRHAI) to the Department of Health and Social Care (England) in November 2023.

Name	Designation
Dr Diane Ashiru-	Lead Pharmacist, HCAI, Fungal, AMR, AMU & Sepsis Division, UK
Oredope	Health Security Agency
Dr Imran Jawaid	GP and RCGP AMR representative
Dr Jeeves Wijesuriya	GP and Clinical Advisor to NHS England Primary Care Team and
	Vaccination and Screening Team
Jackie Lamberty	Medicines Governance Consultant Lead Pharmacist, UK Health
	Security Agency
Jo Jenkins	Lead Pharmacist Patient Group Directions and Medicines
	Mechanisms, Medicines Use and Safety Division, Specialist
	Pharmacy Service
Liz Cross	Advanced Nurse Practitioner QN
Dr Martin Williams	Consultant in Microbiology and Infectious Diseases
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Nigel Gooding	Consultant Paediatric Pharmacist. Neonatal and Paediatric
	Pharmacist Group (NPPG) representative.
Kieran Reynolds (SLWG	Specialist Pharmacist – Medicines Governance, Medicines Use and
co-ordinator)	Safety Division, Specialist Pharmacy Service
Laura Whitney	NHS England Regional Antimicrobial Stewardship lead for the
	London region
Ms Wendy Smith	Consultant ENT Surgeon
Ghulam Haydar	Senior Policy Lead, Primary Care, Community Services and
	Strategy Directorate, NHS England



Characteristics of staff

Qualifications and professional registration	Registered healthcare professional listed in the legislation as able to practice under Patient Group Directions.
Initial training	 The registered healthcare professional authorised to operate under this PGD must have undertaken appropriate education and training and be competent to undertake clinical assessment of patients ensuring safe provision of the medicines listed in accordance with the specification. To deliver this service, the registered healthcare professional should have evidence of competence in the clinical skills and knowledge covered in the Centre for Pharmacy Postgraduate Education (CPPE) Pharmacy First Service self-assessment framework. Before commencement of the service, the pharmacy contractor must ensure that pharmacists and pharmacy staff providing the service are competent to do so and be familiar with the clinical pathways, clinical protocol and PGDs. This may involve completion of training.
Competency assessment	 Individuals operating under this PGD must be assessed as competent or complete a self-declaration of competence to operate under this PGD (see an example authorisation record sheet in <u>Appendix A</u>). Individuals operating under this PGD are advised to review their competency using the <u>NICE Competency Framework for health</u> professionals using patient group directions
Ongoing training and competency	 Individuals operating under this PGD are personally responsible for ensuring they remain up to date with the use of all medicines and guidance included in the PGD - if any training needs are identified these should be discussed with the senior individual responsible for authorising individuals to act under the PGD and further training provided as required. any medication rests with the individual registered health professional who
	and any associated organisational policies.



Clinical condition or situation to which this PGD applies

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Clinical condition or situation to which this PGD applies	Acute bacterial sinusitis (sinusitis) in children aged 12 years and over and adults where phenoxymethylpenicillin is not appropriate due to hypersensitivity.
Criteria for inclusion	 Informed consent Individuals aged 12 years and over Signs and symptoms of acute sinusitis using the appropriate <u>NICE guidance</u> Diagnosis of acute sinusitis using the <u>appropriate NICE CKS guidance</u> Presence of ONE of the following signs/symptoms (which suggests acute sinusitis is more likely): Nasal blockage (obstruction/congestion) OR Nasal discharge (anterior/posterior <u>nasal drip</u>) AND ONE or more of the following: Facial pain/pressure (or headache) OR Reduction (or loss) of the sense of smell (in adults) OR Cough during the day or at night (in children) Symptom duration of more than 10 days with no improvement Presence of TWO or more of the following signs/symptoms (which suggests acute bacterial sinusitis is more likely): Marked deterioration after an initial milder phase Fever (>38°C) Unremitting purulent nasal discharge Severe localised unilateral pain, particularly pain over the teeth (toothache) and jaw Persistent symptoms despite use of high-dose nasal corticosteroid (off-label) for 14 days OR High-dose nasal corticosteroid (off-label) unsuitable Known hypersensitivity to phenoxymethylpenicillin (penicillin V), any penicillin or any of the components within the formulation of phenoxymethylpenicillin formulations - see Summary of Product Characteristics. Acceptable sources of allergy information include individual/carer/parent/guardian or National Care Record History of severe immediate hypersensitivity reaction (e.g. anaphylaxis) to another beta-lactam antibiotic (e.g. cephalosporin, carbapenem or monobactam). Acceptable sources of allergy
Criteria for exclusion	 Consent refused and documented in the individual's clinical notes Individuals under 12 years of age Pregnancy or suspected pregnancy Severely immunosuppressed individuals as defined in <u>Chapter 28a</u> <u>Green book</u>): Individuals with primary or acquired immunodeficiency states due to conditions including:



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 acute and chronic leukaemias, and clinically aggressive lymphomas (including Hodgkin's lymphoma) who are less than 12 months since achieving cure
 individuals under follow up for a chronic lymphoproliferative
disorders including haematological malignancies such as indolent lymphoma, chronic lymphoid leukaemia, myeloma, Waldenstrom's
macroglobulinemia and other plasma cell dyscrasias (N.B: this list
not exhaustive)
 immunosuppression due to HIV/AIDS with a current CD4 count of below 200 cells/µl.
 primary or acquired cellular and combined immune deficiencies – those with lymphopaenia (<1,000 lymphocytes/ul) or with a functional lymphocyte disorder
 those who have received an allogeneic (cells from a donor) or an
autologous (using their own cells) stem cell transplant in the previous 24 months
 those who have received a stem cell transplant more than 24 months ago but have ongoing immunosuppression or graft versus host disease (GVHD)
Individuals on immunosuppressive or immunomodulating therapy
including:
 those who are receiving or have received in the past 6 months immunosuppressive chemotherapy or radiotherapy for any
indication
• those who are receiving or have received in the previous 6 months
immunosuppressive therapy for a solid organ transplant
 those who are receiving or have received in the previous 3 months targeted therapy for autoimmune disease, such as JAK inhibitors
or biologic immune modulators including B-cell targeted therapies
(including rituximab but for which a 6 month period should be
considered immunosuppressive), monoclonal tumor necrosis
factor inhibitors (TNFi), T-cell co-stimulation modulators, soluble TNF receptors, interleukin (IL)-6 receptor inhibitors., IL-17
inhibitors, IL 12/23 inhibitors, IL 23 inhibitors (N.B. this list is not
exhaustive)
Individuals with chronic immune mediated inflammatory disease who
 are receiving or have received immunosuppressive therapy moderate to high dose corticosteroids (equivalent ≥20mg
prednisolone per day) for more than 10 days in the previous month
 long term moderate dose corticosteroids (equivalent to ≥10mg
prednisolone per day for more than 4 weeks) in the previous 3
months
 any non-biological oral immune modulating drugs e.g. methotrexate >20mg per week (oral and subcutaneous),
azathioprine >3.0mg/kg/day; 6-mercaptopurine >1.5mg/kg/day,
mycophenolate >1g/day) in the previous 3 months
 certain combination therapies at individual doses lower than stated
above, including those on ≥7.5mg prednisolone per day in
combination with other immunosuppressants (other than hydroxychloroquine or sulfasalazine) and those receiving
methotrexate (any dose) with leflunomide in the previous 3 months
Individuals who have received a short course of high dose steroids
(equivalent >40mg prednisolone per day for more than a week) for
any reason in the previous month.
 Immunosuppressed individuals: individuals who are immunosuppressed or are currently taking immunosuppressents
immunosuppressed or are currently taking immunosuppressants



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	(including systemic corticosteroids*) or immune modulators, but who
	do not meet the definition of severe immunosuppression (see
	above). [For equivalent doses in children, see <u>Chapter 6 Green</u>
	Book
	* does <u>not</u> include:
	 replacement corticosteroids for individuals with adrenal
	insufficiency
	 corticosteroid inhalers or corticosteroids applied topically (e.g. to the skin, core, succe, pagel equity)
	 the skin, ears, eyes, nasal cavity) intra-articular, -bursal or -tendon corticosteroid injections.
•	Known hypersensitivity to clarithromycin, any macrolide or any of the components within the formulation – see <u>Summary of Product</u>
	<u>Characteristics</u> . Acceptable sources of allergy information
	include individual/carer/parent/guardian or National Care
	Record.
•	Inability to absorb oral medications and/or inability to swallow oral
	dosage formulations (i.e. tablets or oral suspension (or oral
	solution)) Current long term use of clarithromycin or another macrolide
•	Current long-term use of clarithromycin or another macrolide antibiotic (e.g. erythromycin for prophylaxis in asplenia, azithromycin
	for prophylaxis in individuals with COPD or bronchiectasis etc.)
•	Individuals following a <u>ketogenic diet</u>
	Failed previous antibiotic for this episode of sinusitis
•	Nasal trauma
•	
•	Epistaxis
•	Foreign body inserted into nasal passage
•	Recurrent sinusitis (4 or more annual episodes of sinusitis without
	persistent symptoms in the intervening periods)
•	Chronic sinusitis (sinusitis that causes symptoms that last for more than 12 weeks)
•	Anatomic defect(s) causing nasal obstruction
•	Suspected allergic or immunological cause of sinusitis
•	Co-morbidities complicating management such as nasal polyps.
•	Individual has signs of a more serious illness or condition (i.e. red
	flag symptoms) (e.g. intraorbital (within the eye) or periorbital
	(around the eye) complications: such as periorbital oedema (swelling) or cellulitis, displaced eyeball, double vision,
	ophthalmoplegia (paralysis/weakness of the eye muscles), or newly
	reduced visual acuity (reduced vision), intracranial complications
	such as swelling over the frontal bone, symptoms or signs of
	<u>meningitis</u> , severe frontal headache or focal neurological signs).
	Any individual identified with symptoms of <u>severe/life-threatening</u>
•	infection or systemic sepsis: refer urgently via ambulance.
	Possible cancer:
	 Unilateral (one sided) polyp or mass or bloody nasal
	discharge present
	 Persistent unilateral symptoms, such as nasal obstruction,
	nasal discharge or nosebleeds, crusting or facial swelling
	Known myasthenia gravis
	Known history of QT prolongation (congenital or acquired), or
-	
	ventricular cardiac arrhythmia, including torsades de pointe



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Cautions including any relevant action to be taken	 Concomitant use of another medication known to cause QT prolongation (e.g. see <u>Drug interactions</u> section for further information or recommended resources include: <u>CredibleMeds</u>; registration required, or <u>Sudden arrhythmic death syndrome (SADS)</u> - <u>Drugs to avoid</u>) Known electrolyte disturbances (hypokalaemia or hypomagnesaemia) Known Chronic Kidney Disease (CKD) stages 4 or 5 (eGFR <30mL/min/1.73m²) Known or suspected severe liver disease Known heart disease (e.g. coronary artery disease, severe cardiac insufficiency, bradycardia < 50 beats per minute) Less than 3 days before receiving, or within 3 days after receiving, oral typhoid vaccine Concurrent use of any interacting medicine as listed in <u>Drug</u> <u>Interactions</u> section of this PGD Breastfeeding individuals: clarithromycin can be used in breastfeeding individuals (as per <u>UKDILAS</u> advice): monitor nursing infant for gastro-intestinal disturbances, oral candida infection, rashes, drowsiness, irritability, sweating and loss of appetite. Caution should be exercised when supplying clarithromycin, a strong cytochrome P450 (CYP) 3A4 inhibitor to individuals taking the following medicine(s), that are known or suspected to be affected by clarithromycin: Coumarin anticoagulants (e.g. warfarin, acenocoumarol, phenindione): rises in INR reported. Individuals should be advised to have their INR monitored while on treatment with clarithromycin and should be counselled re: seeing medical attention if any episode of bleeding develops while taking. Direct oral anticoagulants (DOACs) (e.g. apixaban, dabigatran, edoxaban, rivaroxaban) Increased risk of bleeding when given with clarithromycin. Individuals should be advised to seek medical attention if any episode of bleeding develops while taking. Statins: simvastatin use is contraindicated with clarithromycin with habdomyolysis while
	diltiazem, felodipine, nifedipine or verapamil. Counsel



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	 digoxin levels. Advise individuals of <u>symptoms of digoxin</u> <u>toxicity</u> (change in vision e.g. blurred vision, diarrhoea, confusion, dizziness, nausea, vomiting, skin rash) and to seek medical attention if any of these develop. Caution should be exercised when supplying clarithromycin to individuals taking medicines known to cause hypokalaemia (e.g. diuretics, corticosteroids, xanthines): may cause electrolyte disturbances – monitoring may be indicated. Advise individuals to contact their prescriber to discuss need. Caution should be exercised when supplying clarithromycin tablets or oral suspension (or oral solution) to individuals who should avoid the following excipients: Lactose, sucrose, fructose and sorbitol: Individuals with rare hereditary problems of galactosaemia, galactose intolerance, total lactase deficiency, glucose-galactose malabsorption, sucrase-isomaltase deficiency, fructose-1,6- bisphosphatase deficiency (also known as hereditary fructose intolerance): check the individual list of excipients available in the SPC before supplying. Aspartame: Individuals with phenylketonuria (PKU) must not use medicines containing aspartame. Check the individual list of excipients available in the SPC before supplying.
Specific information for	Provide the <u>Treating Your Infection Respiratory Tract Infection (TYI-</u>
suspected infection to be provided	<u>RTI) patient information leaflet</u> (TARGET RTI leaflet) (<u>TARGET RTI</u> <u>leaflets in other languages</u> are also available).
be provided	
Action to be taken if	 Provide <u>self-care advice</u> including: Paracetamol and ibuprofen (over the counter) can be used for pain and/or fever (where appropriate). (For further information see: <u>Mild to moderate pain</u> and <u>NSAIDs-prescribing issues</u>). Little evidence that nasal saline (salt water) or nasal decongestants (over the counter) help relieve nasal congestion, but individuals may want to try them. [Water used should be boiled and cooled, sterile, distilled or filtered (using a < 1micron filter)]. No evidence to support the use of oral decongestants, antihistamines, mucolytics, steam inhalation or warm face packs for this indication. Record reasons for exclusion in the appropriate clinical record
Action to be taken if the individual is	
excluded	Individuals where treatment is not indicated:
	 Advise acute sinusitis is usually caused by a virus, can take 2–3 weeks to resolve, and most people will get better without antibiotics. Where antibiotics are unlikely to of benefit: provide <u>self-care advice</u> Advise individual/carer/parent/guardian to seek medical help if symptoms worsen rapidly or significantly or if they do not improve after 3 weeks.
	 Refer urgently to a prescriber for further assessment if: Individual is severely immunosuppressed or immunosuppressed



	 Individual is systemically unwell, but not showing signs or symptoms of <u>sepsis</u> Possible cancer suspected: Unilateral (one sided) polyp or mass or bloody nasal discharge present Persistent unilateral symptoms, such as nasal obstruction, nasal discharge or nosebleeds, crusting or facial swelling Individuals where treatment under this PGD is not indicated/permitted but upper respiratory symptoms are present and require further assessment.
	 Refer urgently to A&E for further assessment if: Signs of a more serious illness or condition (e.g. intraorbital (within the eye) or periorbital (around the eye) complications: such as periorbital oedema (swelling) or cellulitis, displaced eyeball, double vision, ophthalmoplegia (paralysis/weakness of the eye muscles), or newly reduced visual acuity (reduced vision), Signs of intracranial complications such as swelling over the frontal bone, symptoms or signs of meningitis, severe frontal headache or focal neurological signs). If sepsis is suspected refer the individual urgently to A&E For children: see Healthier Together guidance (rhinosinusitis/persistent runny nose) for further information on appropriate signposting and parent information sheets.
Action to be taken if the individual/carer/parent/ guardian declines treatment	 Document advice given Provide safety netting advice and advise individual/carer/parent/guardian of alternative treatment available using <u>TARGET RTI leaflet</u> (<u>TARGET RTI leaflets in other languages</u> are also available). Refer to a prescriber if appropriate
Arrangements for referral for medical advice	Refer to the appropriate medical practitioner in the care pathway

Description of treatment

Name, strength & formulation of drug	Clarithromycin 250mg tablets Clarithromycin 500mg tablets Clarithromycin 125mg/5mL oral suspension (or oral solution) x 70mL Clarithromycin 250mg/5mL oral suspension (or oral solution) x 70mL
Legal category	РОМ
Route / method of administration	Orally, with water (taken with or without food). Tablets should be swallowed whole.
	Note: Clarithromycin oral suspension (or oral solution) can cause a bitter after-taste. This can be avoided by drinking juice or water soon after intake of the oral suspension (or oral solution).



Off Johol was	Temperature variations		
Off-label use	Medicines should be stored according to the conditions detailed in the <u>Storage</u> section below. However, in the event of an inadvertent or unavoidable deviation of these conditions the pharmacist must ensure the medicine remains pharmaceutically stable and appropriate for use if it is to be issued.		
	Where medicines have been assessed by a pharmacist in accordance with national or specific product recommendations/manufacturer advice as appropriate for continued use this would constitute off-label administration under this PGD.		
	The responsibility for the decision to release the affected medicines for use lies with the pharmacist.		
	Manipulating solid dosage forms In the event of an individual being unable to swallow solid oral dosage formulations, and alternate liquid formulations not being readily available provide advice on how to give doses by crushing or dispersing tablets. Use in this way may be outside the product licence and is thus off-label.		
	Dispersing or crushing		
	Clarithromycin tablets are film-coated and can be crushed and mixed with liquid or soft food. Crushing tablets should not be undertaken by anyone with, or in the vicinity of someone with a macrolide allergy.		
	Dispersing tablets To disperse the tablet:		
	 Place the tablet in the barrel of a 10mL oral syringe Replace the plunger Draw up approximately 5mL of water and 2mL of air Shake well and allow to disperse (this may take up to 10 		
	minutes)Ensure all contents of the oral syringe are given in the mouth		
	Alternatively, the tablet may be mixed with 5 to 10mL of water in small glass or medicine cup and stirred well.		
	Masking the taste		
	The crushed tablet will taste bitter so it can be helpful to use a strongly flavoured drink (e.g. blackcurrant cordial) or food (e.g. jam, apple sauce, yoghurt) that the individual likes:		
	 Use a small amount of food or drink (e.g. a teaspoonful) so you can be sure the individual eats it all and swallows the whole dose 		
	 It might be helpful to use an oral syringe for liquids After mixing the crushed tablet with food or drink, give it straight 		

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	away.		
	Where a drug is recommended off-label consider, as part of the consent process, informing the individual/carer/parent/guardian that the drug is being offered in accordance with national guidance but that this is outside the product licence.		
Dose and frequency of	Children 12–17 years and adults:		
administration	500mg twice daily (every 12 hours)		
Duration of treatment	5 days		
	Treatment should be started immediately and 5 days of treatment completed		
Quantity to be supplied	In line with the Pharmacy First service specification the best value product to meet the clinical need should be supplied from those listed within this PGD.		
	Children 12–17 years and adults: Appropriately labelled pack of 10 x 500mg tablets OR appropriately labelled pack of 20 x 250mg tablets OR appropriately labelled pack of 2 x 70mL x 250mg/5mL oral suspension (or oral solution) OR appropriately labelled pack of 3 x 70mL x 125mg/5mL oral suspension (or oral solution)		
Storage	Stock must be securely stored according to organisation medicines policy and in conditions in line with SPC, which is available from the electronic Medicines Compendium website: www.medicines.org.uk		
Drug interactions	 Where it is known an individual is concurrently taking one of the following medicines, clarithromycin must not be supplied under this PGD and the individual referred to a prescriber: Simvastatin, <i>lovastatin*</i> Astemizole, <i>cisapride*</i>, domperidone, pimozide, <i>terfenadine*</i>. Ergotamine or dihydroergotamine Ranolazine Ticagrelor Chloroquine or hydroxychloroquine Colchicine Midazolam (oral) Lomitapide Ivabradine Typhoid vaccine (oral): see <u>Criteria for exclusion</u> Medicines where concomitant use with a strong CYP 3A4 inhibitor (i.e. clarithromycin) is contraindicated (e.g. Avanafil Dronedarone Eplerenone Finerenone Lurasidone Naloxegol 		



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Identification & management of adverse reactions	 Any medicine known to cause QT prolongation. For further information recommended resources include: <u>CredibleMeds</u>; registration required, or <u>Sudden arrhythmic death syndrome (SADS)</u>. <u>Drugs to avoid</u> Medicines that are strong inducers of cytochrome P450 (CYP) and may reduce the efficacy of clarithromycin (e.g. Efavirenz, etravirine, nevirapine, Rifampicin, rifabutin, rifapentine, Phenytoin, carbamazepine, phenobarbital, St. John's wort. For further information recommended resources include:
	In the event of a severe adverse reaction, the individual must be
Monoromatica	 advised to stop treatment immediately and seek urgent medical advice. Healthcare professionals and individuals/carers/parents/guardians
Management of and	Healthcare professionals and individuals/carers/parents/guardians are encouraged to report suspected adverse reactions to the
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reporting procedure for adverse reactions	 Medicines and Healthcare products Regulatory Agency (MHRA) using the Yellow Card reporting scheme on: <u>https://yellowcard.mhra.gov.uk</u> Record all adverse drug reactions (ADRs) in the individual's clinical record. Report and document in accordance with organisation incident policy. It is considered good practice to notify the individual's GP in the event of an adverse reaction. 		
Written information to be given to individual/carer/parent/ guardian	 Provide marketing authorisation holder's information leaflet (PIL) provided with the product. Provide the <u>TARGET RTI leaflet</u> (<u>TARGET RTI leaflets in other languages</u> are also available). Utilise <u>TARGET antibiotic checklist</u> for counselling individuals/carers/parents/guardians. Give any additional information in accordance with the service 		
Individual advice / follow up treatment	 specification. Explain the dose, frequency and method of administration. The individual/carer/parent/guardian should be advised to read the PIL. Store reconstituted oral suspension (or oral solution) in accordance with the conditions as outlined in the individual product <u>SPC</u> (storage recommendations may vary between different reconstituted oral suspension (or oral solution) products). Advise individual/carer/parent/guardian to seek medical advice if individual develops any red flag symptoms (e.g. intraorbital (within the eye) or periorbital (around the eye) complications: such as periorbital oedema (swelling) or cellulitis, displaced eyeball, double vision, ophthalmoplegia (paralysis/weakness of the eye muscles), or newly reduced visual acuity (reduced vision), intracranial complications such as swelling over the frontal bone, <u>symptoms or signs of meningitis</u>, severe frontal headache or focal neurological signs). Symptoms should start to improve within 3-5 days of starting clarithromycin - advise individual to seek medical advice if no improvement within this time. Advise individual/carer/parent/guardian to seek immediate medical attention (by calling 999 or going to A&E) if the individual develops signs or symptoms of sepsis. Inform individual/carer/parent/guardian to take/give the medication at regular intervals and to finish the course. Advise individual/carer/parent/guardian to take/give the medication at regular intervals and to finish the course. If the individual/carer/parent/guardian to take/give the medication at regular intervals and to finish the course. If the individual is affected by dizziness or drowsiness advise them not to drive or operate machinery. The individual/carer/parent/guardian should be advised to seek 		
	medical advice in the event of an adverse reaction or if any other new symptoms develop.		



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 If a dose is missed, advise to refer to PIL supplied with the product Advise individual/carer/parent/guardian to complete the full course even if symptoms improve. Advise individual/carer/parent/guardian to return any unused medicines to a pharmacy for disposal: do not dispose of medicines in the bin, down the sink or toilet. 		
 Appropriate records must include the following: That valid informed consent has been given Individual's name, address and date of birth Name of GP individual is registered with or record where an individual is not registered with a GP Name and registration number of registered healthcare professional operating under this PGD Specify how the individual has/has not met the criteria of the PGD Relevant past and present medical history and medication history Any known allergies and nature of reaction(s) Name/dose/form/quantity of medicine supplied Date and time of supply Documentation of cautions as appropriate Advice given, including advice given if individual excluded or declines treatment Details of any adverse drug reactions and actions taken 		
 Advice given about the medication including side effects, benefits, and when and what to do if any concerns. Any follow up and/or referral arrangements made. Any supply outside the terms of the product marketing authorisation The supply must be entered in the Patient Medication Record (PMR) That supply was made under a PGD Any safety incidents, such as medication errors, near misses and suspected adverse events Any additional requirements in accordance with the service specification: The pharmacy contractor will ensure that a notification of the provision of the service is sent to the patient's general practice 		
 on the day of provision or on the following working day. Where possible, this should be sent as a structured message in real-time via the NHS assured Pharmacy First IT system. In the absence of an automated digital solution or if there is a temporary problem with the system, this should be sent via NHSmail or hard copy. Where an action is required by the General Practice team (such as booking the patient in for a follow up or appointment) an action message or alternative form of an URGENT ACTION communication (rather than the standard post event message) must be sent to the practice. All records should be kept in line with national guidance. This includes individual data, master copies of the PGD and lists of authorised practitioners. 		



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Records must be signed and dated (or a password controlled e-records).
All records must be clear, legible and contemporaneous.
A record of all individuals receiving treatment under this PGD must also be kept for audit purposes in accordance with the service specification.

Key references

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Key references (last	•	Electronic Medicines Compendium http://www.medicines.org.uk/
accessed November 2023)		Electronic BNF <u>https://bnf.nice.org.uk/</u>
		Electronic BNF for children https://bnfc.nice.org.uk/
		Reference guide to consent for examination or treatment
		https://assets.publishing.service.gov.uk/government/uploads/system/uploa
		ds/attachment data/file/138296/dh 103653 1 .pdf
		Medicines for Children. Clarithromycin for bacterial infections.
		https://www.medicinesforchildren.org.uk/medicines/clarithromycin-for-
		bacterial-infections/
	•	NICE Medicines practice guideline "Patient Group Directions"
		https://www.nice.org.uk/guidance/mpg2
		NHS Specialist Pharmacy Service. Using solid oral dosage form antibiotics
	•	in children https://www.sps.nhs.uk/articles/using-solid-oral-dosage-form-
		antibiotics-in-children/
	•	UK Sepsis Trust. Sepsis e-learning resources.
		https://sepsistrust.org/professional-resources/sepsis-e-learning/
		TARGET Treating your infection - Respiratory Tract Infection (TYI-RTI)
		leaflet
		https://elearning.rcgp.org.uk/mod/book/view.php?id=13511&chapterid=787
		TARGET Treating your infection - Respiratory Tract Infection (TYI-RTI)
		leaflet (available in other languages)
		https://elearning.rcgp.org.uk/mod/book/view.php?id=12647&chapterid=444
		NICE Clinical Knowledge Summary. Acute sinusitis.
	•	https://cks.nice.org.uk/topics/sinusitis/diagnosis/diagnosis-acute-sinusitis/
	•	NICE Guideline 79 [NG79]. Sinusitis (acute): antimicrobial prescribing.
	1	https://www.nice.org.uk/guidance/ng79
	1	https://mmmmoo.org.uivgudanoo/ngro



Appendix A – example registered health professional authorisation sheet (example – local versions/electronic systems may be used)

PGD Name/Version Valid from: Expiry:

Before signing this PGD, check that the document has had the necessary authorisations. Without these, this PGD is not lawfully valid.

Registered health professional

By signing this patient group direction you are indicating that you agree to its contents and that you will work within it.

Patient group directions do not remove inherent professional obligations or accountability.

It is the responsibility of each professional to practise only within the bounds of their own competence and professional code of conduct.

I confirm that I have read and understood the content of this Patient Group Direction and that I am willing and competent to work to it within my professional code of conduct.			
Name	Designation	Signature	Date



Authorising manager

I confirm that the registered health professionals named above have declared themselves suitably trained and competent to work under this PGD. I give authorisation on behalf of insert name of organisation for the above named health care professionals who have signed the PGD to work under it.

Name	Designation	Signature	Date

Note to authorising manager

Score through unused rows in the list of registered health professionals to prevent additions post managerial authorisation.

This authorisation sheet should be retained to serve as a record of those registered health professionals authorised to work under this PGD.

Add details on how this information is to be retained according to organisation PGD

policy.