





SHARED CARE GUIDELINE

Drug: CICLOSPORIN

	Contact Details		Patient ID Label
	Name:		Surname:
	Tel 🖀:	· · · · · · · · · · · · · · · · · · ·	Forename/s:
	Location: _		NHS Number:
	Date:		Date of Birth:
Introduction	Indication: Treatment of psoriasis and atopic dermatitis.		
	Background: Ciclosporin is a cyclic polypeptide with immunosuppressive properties. Studies suggest that ciclosporin inhibits the development of cell-mediated reactions. It appears to block the resting lymphocytes in the G_0 to G_1 phase of the cell cycle, and also inhibits lymphokine production and release, including interleukin 2 (T-cell growth factor). The available evidence suggests that ciclosporin acts specifically and reversibly on lymphocytes. It does not depress haemopoeisis and has no effect on the function of phagocytic cells.		
	Response t	to treatment may take up to 3 mont	ths.
Dose & Administration	Psoriasis and atopic dermatitis: starting dose 2.5-5mg/kg/day in two divided doses depending on disease severity and then treated according to response; maximum dose 5mg/kg/day.		
Secondary Care	1.	Confirm the diagnosis.	
Responsibilities	Discuss the benefits and side effects of treatment with the patient. Ensure that the patient understands which warning symptoms to report.		
	3.	Perform pre-treatment screening:	
		FBC, LFTs, U&Es, serum creatini mean value), fasting lipids, creatin	ne (check twice, 2 weeks apart, to obtain a nine clearance.
		Blood pressure: to be ≤140/90mm weeks apart or treat hypertension	nHg before treatment on two measurements 2 before starting ciclosporin.
	4.	that the patient knows when and	ring and dosage record booklet and ensure where to attend for monitoring. Encourage the nsuring that results of tests are entered in the
	5.	Specify Neoral® brand when pres	cribing ciclosporin.
	6.	Arrange shared care with the pati	ent's GP.
	7.	Review the patient regularly to mo	onitor the patient's response to therapy.
	8.	Request copies of test results for section on the pathology form.	the patient's GP by completing the "copy to"
	9.	Advise the GP on dose adjustmen	nts and when to stop treatment.
	10.	Ensure that clear backup arrange	ments exist for GPs to obtain advice.

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Provide the patient with prescriptions for Ciclosporin (Neoral[®]), available as: **Primary Care** Capsules 10mg, 25mg, 50mg and 100mg & Oral solution 100mg/mL. Responsibilities NB: There are differences in bioavailability between different brands of ciclosporin, prescribing should therefore be by brand name. 2. Ensure that the patient understands their treatment and which warning symptoms to report. 3. Arrange on-going monitoring at the recommended frequencies (see MONITORING below) and ensure that test results are recorded in the monitoring booklet. Request copies of test results for the patient's consultant by completing the "copy to" section on the pathology form. 4. Report any adverse events to the consultant or specialist nurse and stop treatment on their advice or immediately if an urgent need arises (see MONITORING below). 5. Report any worsening of control of the condition to the consultant or the specialist nurse. **Monitoring** FBC, LFTs, U&Es, creatinine and urinalysis (plus ESR for Rheumatology Required in patients) weekly for 1 month then monthly until dose and trend stable for 3 **Primary Care** months and then 3 monthly. Fasting lipids 3 monthly. Blood pressure each time patient attends monitoring clinic. Laboratory adverse events STOP Ciclosporin and contact the specialist team if: Creatinine rises > 30% from baseline **Potassium** > 5.5mmol/L $< 150 \times 10^9/L$ **Platelets AST, ALT, Alk Phos** >2 times the upper limit of reference range Lipids Significant rise in fasting lipids **Adverse Effects** Hypertension: If BP ≥140/90mmHg on 2 consecutive occasions 2 weeks apart, treat hypertension before stopping the ciclosporin (note interactions with several antihypertensives). If BP cannot be controlled, STOP ciclosporin and discuss with the specialist team. Abnormal bruising: Check FBC immediately and STOP ciclosporin. Discuss with the specialist team. Decreased resistance to infection: STOP ciclosporin if patient is systemically unwell with significant infection. Benign gingival hyperplasia is relatively common. Patients should be advised on good oral hygiene. Headache, tremor and paraesthesia are common. If persistent or severe they may reflect toxic levels of ciclosporin. Discuss with the specialist team. **Common Drug** There are numerous drug interactions with ciclosporin, please refer to the BNF Interactions and SPC for a detailed description before starting any new drugs.

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	 Patients should be advised to avoid grapefruit or grapefruit juice for 1 hour before or after taking ciclosporin.
Contra-indications	 Uncontrolled hypertension. Renal failure and liver failure. Hyperkalaemia. Suspected systemic infection or sepsis. Breastfeeding.
Cautions	 Pregnancy – see SPC Ciclosporin increases the risk of malignancies including skin cancer, patients should be advised to avoid excessive exposure to the sun and to use high factor sunscreens.
Immunisation	 Live vaccines should be avoided. Annual flu vaccination is recommended. In patients receiving ciclosporin exposed to chickenpox or shingles, passive immunisation should be carried out using Varicella-Zoster immunoglobulin.

This guidance does not replace the SPC's, which should be read in conjunction with this guidance.

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