Chemotherapy Regimens – CLL v1.0 August 2010

Please note the protocols within this list are highly complex and local policies for prescribing and supportive care should be referred to. The list below is advisory and not to be used as a prescribing template.

REGIMEN	Indication	Drugs
Chlorambucil	Primary and relapse treatment of CLL.	Chlorambucil orally 10mg daily for 14 days.
		Repeat every 28 days, depending on blood counts and tolerability
FC		Cyclophosphamide 250mg/m² IV Day 1-3 inclusive
(iv protocol)		Fludarabine 25mg/m² IV Day 1-3 inclusive
		Repeat every 28 days, to a maximum of 6 cycles
		Irradiated blood products and cotrimoxazole prophylaxis required.
FC		Cyclophosphamide 150mg/m² po Day 1-5 inclusive
(oral protocol)		Fludarabine 24mg/m² po Day 1-5 inclusive
		Repeat every 28 days, to a maximum of 6 cycles
		Irradiated blood products and cotrimoxazole prophylaxis required.
FCR		Cyclophosphamide 150mg/m² po Day 1-5 inclusive
		Fludarabine 24mg/m² po Day 1-5 inclusive
		Rituximab 375mg/m2 iv Day 1
		Repeat every 28 days, to a maximum of 6 cycles
		Irradiated blood products and cotrimoxazole prophylaxis required.
CAMPATH	For patients with relapsed	
Alemtuzumab	CLL and short duration of response to Fludarabine	Alemtuzumab 30mg IV infusion in 100mLs Sodium OR subcutaneously
	(<6months).	For a maximum of 12 weeks

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Methylprednisolone	For relapsed/refractory	Methylprednisolone 1g/m ² daily for 3-5 days
(High dose)	patients	
		Consider gastric protection and anti-infective prophylaxis as per local policies.

Hairy Cell Leukaemia treatment				
REGIMEN	Indication	Drugs		
Cladribine Iv 5 day regimen	First line or relapse treatment of hairy cell leukaemia Single cycle only	Days 1 - 5 Cladribine 4.8mg/m²/day (0.12mg/kg/day) IV IV infusion in 500mLs Sodium Chloride over 24 hrs		
Cladribine Iv 7 day regimen	First line or relapse treatment of hairy cell leukaemia Single cycle only	Days 1 – 7 Cladribine 3.6mg/m²/day (0.09mg/kg/day) IV IV infusion in 500mLs Sodium Chloride 0.9% over 24hrs		
Cladribine Subcut regimen	First line or relapse treatment of hairy cell leukaemia Single cycle only	Days 1 – 5 Cladrabine (Litak) 0.14mg/kg/day SC Each dose should be divided into two and given as two separate injections.		
Pentostatin	Treatment of relapsed HCL or HCL not responding to Cladribine	Day 1 Pentostatin 4mg/m² IV Every 14 days to complete remission. Measure creatinine clearance before treatment.		

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Alpha Interferon	Treatment of relapsed HCL	3MU daily subcut

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