

Appendix B:



SOUTHAMPTON PAEDIATRIC ONCOLOGY
PRINCIPAL TREATMENT CENTRE

List of Approved Chemotherapy Regimens

Updated 9th June 2020
Review Date: June 2021

Agreements

SOUTHAMPTON PAEDIATRIC ONCOLOGY AND HAEMATOLOGY PRINCIPAL TREATMENT CENTRE
List of approved chemotherapy regimens – VERSION 2.0 9th June 2020

Position	Name	Organisation	Date agreed
Head Of Chemotherapy Service	Dr Juliet Gray	UHS	19/2/2019

Paediatric Chemotherapy Group

Approved chemotherapy regimens

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
LEUKAEMIA					
Acute lymphoblastic leukaemia:					
First line therapy	As per UKALL 2011	Oral / IV bolus, IV infusion/ IM / s.c./ intrathecal	Oral 6MP / MTX I V vincristine IV/s.c bolus Cytarabine IM asparaginase IV Daunorubicin and Doxorubicin (Level 2 only)	IV/s.c bolus Cytarabine Oral 6MP / MTX	

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
Relapse / 2 nd line therapy	As per UKALL R3 Interim guidance Blinatumomab Nleaurabine as per CCLG UKALL 2019 interim guidelines	Oral / IV bolus, IV infusion / IM/ s.c./ intrathecal Iv infusion IV infusion	Oral 6MP / MTX / TG IV vincristine IV/s.c Cytarabine IM asparaginase	IV/s.c Cytarabine Oral 6MP / MTX /6TG	
Philadelphia positive	Interim recommendations for Ph +ve children, June 2014	Oral / IV bolus, IV infusion / IM/ s.c./ intrathecal	Oral 6MP / MTX /imatinib IV vincristine IV/s.c Cytarabine IM asparaginase	IV/s.c Cytarabine Oral 6MP / MTX /imatinib / 6TG	
Infants	As per Interfant 2006	Oral / IV bolus, IV infusion / IM/ s.c./ intrathecal	Oral 6MP / MTX/6TG IV vincristine IV/s.c Cytarabine IM asparaginase	IV/s.c: Cytarabine Oral 6MP / MTX /6TG	
Acute Myeloid Leukaemia	:				
First line therapy	CCLG Guidelines 2016	IV Infusion / IV bolus/ intrathecal			
	Myechild 01	IV Infusion / IV bolus/ intrathecal			
Relapse / 2 nd line therapy	UK Guidelines for relapsed AML (2010)	IV infusion			
	Azacitidine NICE TA218	SC bolus			
In children with Downs Syndrome	CCLG guidelines (March 2014)	IV infusion/ IV bolus			

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APML	Guidelines for standard risk children with APL (SR-ICC APL Study 02)	IV infusion/ IV bolus / oral		Oral ATRA	
Chronic Myeloid Leukaemia	Leukaemia Working Group guidelines CCLG recommendations for the management of CML in children and young people up to the age of 18years (Dec 2014)	Oral / iv bolus / iv infusion	Oral hydroxyurea /imatinib	Oral hyroxyurea / imatinib	
APLASTIC ANAEMIA	BSH Diagnosis and Management of Aplastic Anaemia, updated 2017	Iv infusion			
LYMPHOMA					
T cell and pre-B Lymphoma	As per UKALL 2011	Oral / IV bolus, IV infusion/ IM / s.c./ intrathecal	IV vincristine IV /s.c. cytarabine Oral 6MP/MTX	Oral 6MP / MTX IV /s.c cytarabine	
Burkitts / Large B cell lymphoma					
Initial therapy	As per Inter-B-NHL Ritux 2010 CCLG B-cell NHL guidelines 2003	IV infusion / iv bolus / oral / intrathecal			
Relapse / second line therapy	R-ICE	IV infusion / iv bolus / oral / intrathecal			

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Anaplastic large cell lymphoma					
Initial therapy	CCLG guidelines (June 2009)	IV infusion/ iv bolus / oral / intrathecal			
Relapse	As per ALCL relapse NHL 2006 01	IV infusion/ iv bolus / oral / intrathecal	IV Vinblastine		
Primary Mediastinal B cell Lymphoma	Dose-adjusted R-EPOCH Inter-B-NHL Ritux 2010	IV infusion/ iv bolus / oral / intrathecal			
Hodgkin's (classical)					
First line therapy	CCLG interim guidelines (July 2013) EURONET PHL C2 trial	Oral / IV bolus / IV infusion Oral / IV bolus / IV infusion	IV vincristine Oral prednisolone IV Cyclophosphamide (Level 2 only) IV vincristine Oral prednisolone IV Cyclophosphamide (Level 2 only) IV doxorubicin (Level 2 only)	Oral prednisolone Oral prednisolone	
Relapse / second line therapy	As per guidelines within EuroNet-PH1: ABVD IEP BEAM	Iv bolus / infusion / oral	IV Vinblastine		

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Hodgkin's (lymphocyte predominant)	As per Euronet LP-1 study	Iv bolus / infusion /oral	iv vinblastine, oral prednisolone	Oral prednisolone	
SOLID TUMOURS					
Ewings sarcoma					
Initial therapy	As per Euro Ewings 2012 Or CCLG Flow sheet Oct 2019	Iv bolus / iv infusion			
Relapse / second line therapies	As per CCLG flowsheet (Aug 2017) rEECur: Irinotecan / temozolomide rEECur TreoMel	Iv infusion / oral	Oral temozolomide IV irinotecan (level 2 only)	Oral temozolomide	
Germ Cell Tumours					
Initial therapy	CCLG Interim guidelines for the treatment of germ cell tumours in children and adolescents (Jun 2018)	Iv infusion / bolus			
Relapsed disease	Guidelines within GC III	Iv infusion / bolus			

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HLH	As per HLH 2004	IV bolus / infusion			
Hepatoblastoma					
Initial therapy (standard risk)	CCLG Treatment guidelines for hepatoblastoma PHiTT protocol	Iv infusion			
Initial therapy (high risk)	CCLG Treatment guidelines for hepatoblastoma PHiTT protocol	IV infusion			
Hepatocellular carcinoma	As per SIOPEL 5 PHiTT protocol	IV infusion /oral IV infusion / IV bolus, PO	Oral thalidomide Oral sorafenib	Oral thalidomide Oral Sorafenib	
Langerhans Cell Histiocytosis					
Initial disease	LCH IV CCLG Guidelines for LCH 2010 – currently being updated	Iv bolus /oral	Iv vinblastine	Oral 6MP / MTX	
Refractory disease	As per LCH-S 2005	Iv infusion / iv bolus / oral	Iv vinblastine Oral MP /MTX	Oral MP /MTX	
Nasopharyngeal carcinoma					

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
Initial treatment	CCLG guidelines for nasopharyngeal carcinoma 2013	Iv infusion	IM Interferon	IM interferon	
Neuroblastoma					
Initial therapy:					
Stage IV / High risk	HR-NBL-1-SIOPEN CCLG guidelines for High Risk Neuroblastoma (Mar 2019)	Iv infusion, iv bolus, oral, s/c	Oral cis-retinoic acid	Oral cis-retinoic acid	
Intermediate and low risk	As per CCLG guidelines for low and intermediate risk neuroblastoma Feb 2020	Iv bolus / infusion			
Neuroblastoma Relapse / second line therapy	CCLG guidelines for relapsed and refractory neuroblastoma As per BEACON trial	Iv infusion			
	Irinotecan + temozolomide (as per CCLG guidelines)	Iv infusion / oral	Oral temozolomide IV Irinotecan (Level 2 only)	Oral temozolomide	
	Cyclophosphamide and topotecan as per CCLG guidelines				
	Topotecan + temozolomide (as per CCLG guidelines)	Iv infusion / oral	Oral temozolomide	Oral temozolomide	
	Oral etoposide (as per CCLG guidelines)	oral	Oral etoposide	Oral etoposide	

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
	Oral temozolomide (as per CCLG guidelines)	oral		Oral temozolomide	
	Dinituximab beta as per NICE guidance				
	Topotecan,Vincristine and Doxorubicin as per CCLG Guideline	IV Infusion / IV bolus			
	HD-ICE, MD-ICE or LD-ICE as per CCLG guideline	IV infusion			
	Hu3F8 as per YmAbs study	s/c GMCSF IV hu3F8		GM-CSF	
Non-rhabdomyosarcoma soft tissue sarcoma	EpSSG NRSTS 2005 protocol (STS 2006 03)	IV bolus, iv infusion	Iv vincristine Iv actinomycin		
Osteosarcoma:					
Initial therapy	CCLG flowsheet Oct 2019	Iv infusion			
	Mifamurtide as per NICE TA	Iv infusion	Iv mifamurtide		
Relapse / rescue therapy:	Ifosamide /etoposide	Iv infusion			
	High dose MTX	Iv infusion			
	Gemcitabine/ Docetaxel	IV infusion			
Pancreatoblastoma	CCLG guidelines (2003)	Iv infusion			
Retinoblastoma					

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Initial therapy	CCLG guidelines (2008)	IV bolus / infusion			
Initial therapy after unilateral enucleation	CCLG Guideline for management of children with intraocular retinoblastoma II Second line chemo Jan 2008 CCLG Guidelines for the management of children with advanced unilateral retinoblastoma following primary enucleation May 2018	IV bolus / infusion IV bolus / IV infusion			
Rhabdomyosarcoma					
Initial therapy (localised)	As per RMS 2005	Iv bolus / iv infusion / oral	IV vincristine IV actinomycin Iv vinorelbine Oral cyclophosphamide	Oral cyclophosphamide	
Initial therapy (metastatic)	As per guidelines within RMS 2005 and CCLG guidelines (Nov 2013)	Iv bolus / iv infusion	IV vincristine		
Relapsed disease	EpSSG Phase II committee Relapsed RMS and CCLG guidelines (Aug 2013)	IV bolus/ IV infusion			

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can be given in Community	Approved by SPCG
Wilms' tumour / Clear Cell Sarcoma Kidney	CCLG Renal tumour clinical management guidelines Jan 2020	Iv bolus/infusion	Iv vincristine / actinomycin Iv doxorubicin (level 2) IV irinotecan (level 2)		
Relapsed disease	TVD	Iv infusion			
	As per UK W-R	IV infusion / iv bolus	Iv vincristine actinomycin Iv doxorubicin (level 2)		
CNS TUMOURS					
Low grade glioma					
First line therapy	As per Low grade glioma 2 protocol Weekly vinblastine Vinilo trial	IV bolus, iv infusion IV bolus IV bolus and oral	IV vincristine, IV carboplatin (level 2 only) Iv vinblastine (PTC only)	Oral Nilotinib	
Second line therapies:	Weekly vinblastine	IV bolus	IV vinblastine		
High grade glioma	CCLG guidelines	Oral	Oral temozolomide	Oral temozolomide	
Infant high grade glioma	European study guidelines				

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
DIPG	BIOMEDE trial	Oral		Oral dasatinib, oral everolimus, oral erlotinib	
Medulloblastoma					
Standard risk	CCLG guidelines (Jan 2019)	IV bolus / infusion / oral	IV vincristine		
High risk	CCLG guidelines (Jan 2015)	IV infusion / bolus / oral	Oral lomustine	Oral lomustine	
Infants (≤ 3 years)	CCLG interim guidelines March 2019	IV infusion / bolus	IV vincristine		
Relapse / refractory	Oral etoposide then consideration of autograft CCLG Interim guidelines for recurrent Medulloblastoma Dec 2018	IV infusion / oral	Oral etoposide	Oral etoposide	
Ependymoma					
Standard risk	CCLG guidelines Ependymoma II trial	IV infusion IV bolus / IV infusion			
Infants	UKCCSG Baby Brain protocol (CNS 2007 09) CCLG Infant medulloblastoma – interim guidance Jan 2019 Headstart II SIOP Ependymoma II trial	IV infusion / bolus IV infusion / bolus and PO		Oral valproate	

Disease / Indication	Regimen / protocol	Routes of administration	Drugs that can be given in POSCU	Drugs that can to be given in Community	Approved by SPCG
ATRT	EURHAB protocol CCLG guidelines (May 2011)	Iv infusion / bolus / intraventricular			
CPC	As per SIOP CPT 2009 study	IV infusion / IV bolus / Intraventricular			
Germ cells tumours	As per GCT II study	IV infusion			
Pinealoblastoma > 3 yrs of age	CCLG guidelines (Sept 2013)				
EMERGENCY EMPIRICAL REGIMENS					
High count leukaemia	Iv daunorubicin +/- vinc +/- steroid	Iv infusion / bolus			
Spinal cord compression	Carbo / etoposide	Iv infusion			
Other soft tissue mass requiring urgent treatment	Vincristine/Dactinomycin/ Cyclophosphamide	IV bolus/ IV Infusion			
Suspected Burkitt's lymphoma	IV cyclophosphamide, vincristine and oral prednisolone	IV infusion. Bolus and oral			
PALLIATIVE	Oral etoposide	Oral		Oral etoposide	

