Indication	For the treatment of locally advanced inoperable cholangiocarcinoma.				
Treatment	Palliative				
Intent	1 dillative				
Frequency	Repeat every 21 days				
and number	Maximum 8 cycles				
of cycles	Maximum 8 cycles				
Monitoring	Virology screening: All new patients referred for systemic anti-cancer treatment should be				
Parameters	screened for hepatitis B and C and the result reviewed prior to the start of treatment. Patients				
pre-treatment	not previously tested who are starting a new line of treatment, should also be screened for				
pro di dadinioni	hepatitis B and C. Further virology screening will be performed following individual risk				
	assessment and clinician discretion.				
	EDTA/DTPA should be used to measure GFR prior to cycle 1. C+G may be used to estimate CrCl if				
	there is a delay in obtaining EDTA result, CrCl must be >/=30ml/min. Repeat EDTA if Creatinine				
	clearance drops by 25%.				
	 Monitor U+Es, FBC and LFTs prior to each cycle and FBC only on day 8. 				
	• If WBC >3 and neuts 1.0-1.5 and PLT >100 proceed with chemo OR If neuts >1.5 and PLT >100				
	proceed with chemo.				
	If blood parameters not met defer day 1 chemo for 1 week, or omit day 8. Consider dose				
	reduction.				
	Hepatic impairment:				
	 Carboplatin: No dose adjustment required. 				
	 Gemcitabine: There is limited information about use of gemcitabine in hepatic 				
	o impairment, therefore use with caution. If total bilirubin < 27μmol/L: no dose adjustment is				
	needed. Total bilirubin >/= 27μmol/L: either start at 80% of the original dose and increase				
	the dose if tolerated or start with full dose with active monitoring.				
	Renal impairment:				
	 Carboplatin: stop if CrCl<30ml/min. 				
	 Gemcitabine: CrCl >/= 30ml/min no dose adjustment. 				
	Infusion-related reactions:				
	Patients developing hypersensitivity reactions to carboplatin: Mild/moderate reactions				
	(grade 1-2) - If symptoms resolve after treatment with hydrocortisone and chlorphenamine,				
	the infusion may be restarted at 50% rate for 30 mins, then, if no further reaction, increase				
	to 100% rate. If symptoms do not resolve after treatment with hydrocortisone and chlorphenamine, do				
	not restart the infusion. At consultant's discretion, patients may be rechallenged at a later				
	date with additional prophylaxis. In the event of further reaction (grade 1-3), stop infusion				
	and consider alternative treatment.				
	Severe (grade 3): Do not restart infusion. Consider alternative treatment.				
	Anaphylaxis (grade 4): Follow anaphylaxis protocol. Discontinue permanently and consider				
	alternative treatment.				
	Management of adverse reactions and dose adjustments:				
	 Dose reduction should be considered if grade 3 or 4 non-haematological toxicity or repeat 				
	appearance of grade 2 (except N&V and alopecia). Delay until resolution of toxicity to =</th				
	grade 1.				
	 Posterior Reversible Encephalopathy Syndrome (PRES) has been rarely reported with 				
	o gemcitabine. In patients developing PRES, treatment of specific symptoms including control				
	of hypertension is recommended along with discontinuation of gemcitabine.				
	o Haemolytic uraemic syndrome. Gemcitabine should be discontinued at the first signs of any				
	evidence of microangiopathic haemolytic anaemia, such as rapidly falling haemoglobin with				
	concomitant thrombocytopenia, elevation of serum bilirubin, serum creatinine, blood urea				
	nitrogen, or LDH.				
	ווונו טצבוו, טו בטח.				

Protocol No	UGI-055	Kent and Medway SACT Protocol Disclaimer: No responsibility will be accepted for the accuracy of this information when used		
		elsewhere.		
Version	V3	Written by	M.Archer	
Supersedes	V2	Checked by	C.Waters	
version			A.Ling	
Date	05.07.2024	Authorising consultant (usually NOG Chair)	G. Alves de Paula Neto	

	 Capillary leak syndrome. Gemcitabine should be discontinued and supportive measures implemented if capillary leak syndrome develops during therapy. Capillary leak syndrome can occur in later cycles and has been associated in the literature with adult respiratory distress syndrome. Common drug interactions (for comprehensive list refer to BNF/SPC): Carboplatin: Caution with other nephrotoxic drugs. Gemcitabine: No specific interaction studies have been performed. Driving: Gemcitabine may cause drowsiness, patients should be advised to avoid driving or operating machinery until they establish if they are affected. 			
References	SPC accessed online 11.07.2023 KMCC proforma UGI-055 V2			

 $\ensuremath{\mathsf{NB}}$ For funding information, refer to CDF and NICE Drugs Funding List

Repeat every 21 days

Day	Drug	Dose	Route	Infusion	Administration	
				Duration		
1	Ondansetron	<75yrs 16mg	IV	15		
		>/=75yrs 8mg		minutes	Sodium chloride 0.9% 50ml	
	Dexamethasone	8mg	PO			
		AUC 5				
	CARBOPLATIN	Maximum dose	IV	30		
		700mg		minutes	In Glucose 5% 500ml	
		Dose =				
		AUC X (GFR +25)				
					Diluted in 0.9% sodium chloride to a	
	GEMCITABINE	1000mg/m ²	IV	30	final concentration of 0.1mg/ml –	
				minutes	10mg/ml. Consider extending infusion	
					duration if final volume >500ml	
8	Metoclopramide	10mg	PO			
					Diluted in 0.9% sodium chloride to a	
	GEMCITABINE	1000mg/m ²	IV	30	final concentration of 0.1mg/ml –	
				minutes	10mg/ml. Consider extending infusion	
					duration if final volume >500ml	
TTO	Drug	Dose	Route	Directions		
Day 1	Dexamethasone	6mg	РО	OM for 3 days after Day 1		
				10mg three times a day for 3 days after day 1 and Day 8, then 10mg up to 3 times a day as required		
		g per day including 10mg pre-chemo dose				
	,			on day 8).		
			e for more than 5 days continuously.			
	1	1	1	Do not take for more than 5 days continuously.		

Protocol No	UGI-055	Kent and Medway SACT Protocol		
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