



NCIS GUIDE

As Required Hypersensitivity Medications

1 Background

Several hospitals employ an "as required" section in SACT templates for medications required for hypersensitivity. This can be completed prior to SACT and is then available as required should the patient develop a reaction at any time in their treatment.

NCIS.Med (BD CATO) does not have any specific functionality for as required medications of this type however there are different options users can employ to include as required medications in a cycle or as a therapy plan. These are described in this guide.

NOTE: All screenshots in this Guide are from the Training and Test Environments of NCIS. All patients and hospital are fictitious and are not intended to represent the identity, setup and functionality or real patients or facilities.

2 Adding a hypersensitivity regimen to an existing therapy plan as a cycle

There is an option to add a hypersensitivity regimen to an existing therapy plan without creating a completely new therapy plan.

Once the therapy is planned click on the plus icon in the brown cycle banner, and select "cycle"



Figure 1: Selecting cycle from the brown cycle banner

Search for and select the "Hypersensitivity – As required Medications" Regimen and type in the day to include (day 1 or maybe day -1 if you want it to be on a different day)

Inset cycle	×
Insert cycle	
Start date: 24/01/2022 🔃 = days interval (beginning marked cycle) = Day 1 in the therapy plan	
✓ from regimen <u>Preview</u> Show	ilter
Regimen: Hypersensitivity - As Required Medications	\$
Only display regimens with suitable diagnosis Only diagnoses with the status: Active	~
UID:	\$
Cycles Image: Cycles Image: Cycles Image: Cycles	;
Place of delivery: TRN - Training Oncology/Haematology Day Ward 🚯 Cost center: TRN - Training Consultant 🚯 Cyde number:	
Overlap with "Cycle 1 DOXOrubicin, and Cyclophosphamide (AC 60/600) - 21 day" or with repetition cycle.	ncel

Figure 2: Searching and adding the hypersensitivity regimen

Click save, you will then get a warning to say it is overlapping with another cycle, click YES

Attention	x	
A Problems were detected while inserting the cycle.		0
Cycle date in the past		
Overlap with "Cycle 1 DOXDrubicin, and Cyclophosphamide (AC 60/603) - 21 day" or with repetition cycle.		20
Do you still want to continue?		
✓ Yes ON	io	
	Attention Attention Attention Cycle date in the past. Overlap with "Cycle 1 DOXOrubicin, and Cyclophosphamide (AC 60/600) - 21 day" or with repetition cycle. Do you still want to continue? Yes. Yes.	Attention Attention Attention Attention Attention

Figure 3: Overlapping warning

You will then be asked whether you really want to add a cycle from a new regimen or start a new therapy plan. At this point click No to add the hypersensitivity cycle to the existing regimen

Figure 4: Hypersensitivity regimen is now added as a cycle

3 Creating a Hypersensitivity Therapy Plan for a Patient

This option uses a special regimen called "Hypersensitivity – As Required Medications" which is applied to the patient's record as a separate therapy plan. The advantage of this approach is that it only needs to be completed once for the patient at the start of therapy planning, and will remain available throughout their treatment.

In the therapy tab of a patient's tumour case choose "Therapy (NCIS med)" from the Add drop down menu

c37.CancerCenter Training	Patient D.O.B.		Ms SATTLER, DIAN 29.03.1979 (41)	Online: doctor/documentary DOCTOR1 TRN	
General info Diagnostics	N H Conference Assessment Therapy Commu	ICIS ID Iospital ID unicatior	99999000001 517867 (TRN) (ĵ) 1		
Add: Please choose Therapy (NCIS med)	Document upload Results from Interface			Help	
	·				

Figure 5: Adding a new Therapy Form

Choose "Adjunctive Therapy" from the Therapy Type drop down menu and Click the "NCIS med" button to transition to NCIS.Med.



Figure 6: Choose Adjunctive Therapy and transition to NCIS Med

Choose the "Hypersensitivity – As Required Medications" regimen. Make sure that the create therapy plan from regimen box is ticked, enter a start date and enter the appropriate Place of Delivery and Cost Centre (Primary consultant). The regimen will automatically default to just one cycle of hypersensitivity medications, but it is possible to prescribe multiple cycles at specified intervals if you wish.

8	New therap	rplan			×
		New therapy plan			
	Patient:	SATTLER DIANA 1979-03-29	⇒	D.o.b.:	29/03/1979
	Patient n	: 9999900001	\Rightarrow	Soc.Sec.#:	Ţ
	Unit:	(All units)	⇒	Deceased	Blocked
	Create	herapy plan from regimen		Prev	view Show filter
	Regimen:	Hypersensitivity - As Required Medications			Û
		Only display regimens with suitable diagnosis	Only diagnoses	with the status:	Active 👻
	UID:				Û
	Start:	20/07/2020 = corresponds to day 1 in the regimen			
	Cycles		_		
	R 20/	7/2020: Cycle 1 Hypersensitivity - As Required Medications - Version 1	Repeat:	0 times Interv	al: Days
	No take h	ome medication cycles included in regimen			
	Place of de	very: TRN - Training Onco/Haem Day Ward	4		₽
					Round dose
				🖌 Sa	ve K Cancel

Figure 7: Adding the new therapy plan

Open the cycle in the regimen and Physician Verify the medications so they can be administered if needed.

To note if a patient has a reaction it is possible to add more cycles of the hypersensitivity medication regimen, or it may be more appropriate to add additional pre-medications to the patients SACT cycles.

1 • Days: 1				
Cycle 1 Hype	rsensitivity - As	Required Medications - Version 1 1 Day	\oplus)
Cycles: 1 • Days: 1 20 Jul - 20 Jul Cycle 1 Hyperso Mon 20 Jul				
20 Jul	5min x ศ ?	Chlorphenamine maleate Solution for injection 10mg • Division: 1 x 10mg by intravenous injection	PHYSICIAN-VERIFIED S by TRNHOSD1 - mcm83839 on 07 Dec Edit flags	
H: 1 • Days: 1 20 Jul - 20 Jul Cycle 1 Hyp Mon 20 Jul				_
	5min x d?	Hydrocortisone Powder for solution for injection/infusion 100mg • Division: 1 x 100mg by intravenous injection	by TRNHOSD1 - mcm83839 on 07 Dec	

Figure 8: The Hypersensitivity Regimen cycle with the medications physician verified

The hypersensitivity regimen is visible in the patient therapy plans



Figure 9: Patient record showing multiple therapy plans, including the Hypersensitivity Therapy Plan

4 Adding Hypersensitivity Drugs to a cycle using Medication Selections

This option uses a Medication Selection called "Supportive Medicines". The medication selection allows drugs to be added to individual cycles. The advantage of this approach is that the hypersensitivity medications are available in each cycle, however it is not immediately obvious they are for as required administration and they need to be added to each cycle.



icon in the cycle banner in the patient's therapy plan, and click "Medication Selection"

E.	REIMBURSEMENT S Hospital	TATUS:				\sim	
20 Jan Cyc	2021 - 20 Jan 2021 - Inten	ak 7 days after I tin 1 Day	Cycle 2 CAR8Oplatin		÷	~	
Cycle	postponement rules	If NEUT less	than 1x10(9)/L, then postponement by 7 days \cdot If PLT less than 100x10(9)/L, then postponement by	y 7 days	Planned medication	\sim	r
1 Wed 2 20	07:30	Smin X A	Ondansetron Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	Physician-verified medication Planned infusion solution	~	
	07:35	5min X A	Dexamethasone phosphate Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	Physician-verified infusion solution On-demand cycle	~	,
	08:00	60min X A	CARBOplatin in 250mL Glucose 5% • by intravenous infusion	2mg/mL/min AUC (GFR+25) Max GFR 125ml/min	Medication selection Appointment	~	,
		â	Renal Impairment • Patients with creatinine clearance values of <60ml/min are at oreater risk to develop my	veloculoression.	Comment	\sim	·
					Cycle		

Figure 10: Adding a medication selection to a cycle

In the designation drop down choose the "Supportive Medicines" medication selection. Type in the date or day of the cycle you wish the medications to appear.

1 2(🍪 Medication selection
)2	Designation: Supportive Medicines Time © Date © Relative Date: 20/01/2021 Days in cycle: 1
	Patients with creatinine clearance values of <60ml/min are at greater risk to deve

Figure 11: Choose medication selection as well as date and time

Click "Define" on the medication selection to choose the medications required



Figure 12: Medication visible in cycle, click define to choose medications

Choose the medications to add to the cycle and click OK, in this case Chlorphenamine and Hydrocortisone have been chosen.

tı	Define medication selection	
ч _	Define medication selection	
h	Medication selection: Supportive Medicines - Version 2	
	<u>Select all</u>	
= k	Chlorphenamine maleate Solution for injection (Division: 1 x 10mg) by intravenous injection over 5 min	
	F Hydrocortisone Powder for solution for injection/infusion (Division: 1 x 100mg) by intravenous injection over 5 min	
n	Mannitol 10% Solution for infusion (Division: 1 x 500mL) by intravenous infusion over 60 min	
n	Paracetamol Tablet (Tabs: 2 x 500mg) PO over 5 min	
Л	Skip VOK K Cancel	
		//

Figure 13: Choose the medications to add to the cycle

Physician verify the medications so they can be administered if required

	anooph	NAMELIT Loss IN	an 1-10/07 then exchanges the 7-days of 07 law shap 100-10/07 shap exchanges	and the 7 days		100	-
e postpone	emenic rules	. If the on tiess of	an 1/10/3/12, then postponement by 7 days 11 PC1 less than 100/10/3/12, then postponen	ieni dy rodys			
1 20 Jan 021	07:30	Smin X Ad ?	Ondansetron Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	PLANNED		
	07:35	Smin X AR ?	Dexamethasone phosphate Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	PLANNED		
	08:00	60min X A	CARBOplatin in 250mL Glucose 5% + by intravenous infusion	2mg/mL/min AUC (GFR+25) Max GFR 125ml/min	PLANNED		
		<u>a</u> !	Renal Impairment • Patients with creatining clearance values of «60ml/min are at creater risk to devel	nn mwelosunnræssinn			
		Smin X A ?	Chlorphenamine maleate Solution for injection by intravenous injection	10mg • Division: 1 x 10mg	PHYSICIAN-VERIFIED		
		Smin X A ?	Hydrocortisone Powder for solution for injection/infusion by intravenous injection	100mg • Division: 1 x 100mg	PHYSICIAN-VERIFIED		

Figure 14: Physician Verified medications visible in the cycle

To add medications to additional cycle either repeat the steps above or copy and paste each medication into the remaining cycles.