





# NCIS GUIDE

## As Required Hypersensitivity Medications

### 1 Background

Several hospitals employ a "standing order" section in SACT prescription templates for medications required for hypersensitivity. This is completed by the prescribing doctor and then is available as required should the patient develop a reaction at any time in their treatment.

NCIS.Med does not have any specific functionality for standing orders 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 the Quick Guide.

NOTE: All screenshots in this Quick 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 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.	<b>15 SATTLER, DIAN</b> 9.03.1979 (41)	Online: doctor/documentary DOCTOR1 TRN	
NCIS ID 9999900001		00000		
Seneral into Biognobiles Conterence i	Assessment merapy communication			
_	upload Results from Interface	'		

Figure 1: 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.

c37.CancerCenter Training General info Diagnostics	Conference Assessment	Therapy	D.O.B. 29 NCIS ID 99	5 <b>SATTLER, DIAN</b> .03.1979 (41) 99900001 17867 (TRN) ③ on	
Add: Please choose 🔽				Facility: Trainin	ng Hospital 🔽
Associated disease	Initial disease: C18.4 from 0	1.07.2020 🗸			
Therapy (NCIS med), Thera	py line			N	CIS med
	Therapy type	Adjunctive t	herapy 🗸	1	
Decision to treat Date Ready to treat Date	20.07.2020	Consent Fo	orm Completed	Oyes On	0
Diagnosis	C18.4				
Diagnosis date	01.07.2020				
Assessment Date	21.07.2020				
Performance Status	O ECOG O Lansky score	• O Karnofsky	y score		i
	Height 150 cm	Weight	52 kg		
	BSA 1.46 m <sup>2</sup>	BMI BMI	23.1		

Figure 2: Choose Adjunctive Therapy and transition to NCIS Med

Choose the "Hypersensitivity – As Required Medications" regimen. 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.

New therapy plan		×
New therapy plan		
Patient: SATTLER DIANA 1979-03-29	⇒ D.o.	b.: 29/03/1979
Patient no.: 99999000001	⊨> Soc.Sec.#:	Ţ
Unit: (All units)	⇒ 🗖 Deceased	Blocked
₽ Create therapy plan from regimen	<u> </u>	Preview Show filter
Regimen: Hypersensitivity - As Required Medications		Û
Only display regimens with suitable diag	gnosis Only diagnoses with the stat	us: Active 🤟
UID:		Û
Start: 20/07/2020 = corresponds to day 1 in the regimen		
Cycles		
20/07/2020: Cycle 1 Hypersensitivity - As Required Medications - Version 1	Repeat: 0 times Int	erval: Days
No take home medication cycles included in regimen		
Place of delivery: TRN - Training Onco/Haem Day Ward	nsultant	⇒
		Round dose
	-	Save Kancel

Figure 3: 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.

усіе і пуреі	rsensitivity - As	Required Medications - Version 11Day		
Mon 20 Jul	5min X A ?	Chlorphenamine maleate Solution for injection 10mg • Division: 1 x 10mg by intravenous injection	PHYSICIAN-VERIFIED by TRNHOSD1 - mcm83839 on 07 Dec Edit flags	
	5min	Hydrocortisone Powder for solution for injection/infusion	PHYSICIAN-VERIFIED	-

Figure 4: The Hypersensitivity Regimen cycle with the medications physician verified

#### The hypersensitivity regimen is visible in the patient therapy plans

21 Jul - 11 Nov CISplatin (40mg/m <sup>2</sup> ) Weekly with Radiotherapy (RT) (5 cycles) Version 4 • Therapy plan number: 549	⊡ 🕁 👻
Cycles: 10 • Days: 114	$\sim$
30 Jul - 03 Nov CARBOplatin (AUC 2) Weekly and PACLitaxel (50mg/m <sup>2</sup> ) Weekly with Radiotherapy (RT) -5 weeks Version 3 number: 555	3 • Therapy plan 📑 🕂 💝
Cycles: 3 • Days: 97	$\sim$
الد 20 - الد 20 الع Hypersensitivity - As Required Medications Version 1 - Therapy plan number: 852	$\exists \oplus >$
Cycles: 1 • Days: 1	$\sim$

Figure 5: Patient record showing multiple therapy plans, including the Hypersensitivity Therapy Plan

## 3 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"

Cycle 3 C/						Ð
Cycle postpone				Planned medication	1	
1	07:30 Smin Ondansetron Solution for injection/infusion				Physician-verified medication	_
led <b>20</b> Jan 2021	07:30	x A?	Ondansetron Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	Planned infusion solution	
	07:35	5min	Dexamethasone phosphate Solution for injection/infusion by intravenous injection	8mg • Division: 1 x 8mg	Physician-verified infusion soluti	DI
		× A?	by intravenous injection		On-demand cycle	
	08:00	60min	CARBOplatin	2mg/mL/min AUC (GFR+25) Max GFR 125ml/min	Medication selection	
00.01		× A?	in 250mL Ĝlucose 5% • by intravenous infusion	•	Appointment	
			enal Impairment Patients with creatinine clearance values of <60ml/min are at creater risk to develo	myelosuonression	Comment	- '
					Cycle	

Figure 6: 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.

21 22 Designa Time -	🍪 Medication selection
)2	Designation: Supportive Medicines
	Time
Designation: Supportive Medicines	Date C Relative Date: 20/01/2021 Days in cycle: 1
-	Patients with creatinine clearance values of <60ml/min are at creater risk to deve

Figure 7: Choose medication selection as well as date and time

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



Figure 8: 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	So Define medication selection	×
-	Define medication selection	
h	Medication selection: Supportive Medicines - Version 2	
	Select all	
= la	Chlorphenamine maleate Solution for injection (Division: 1 x 10mg) by intravenous injection over 5 min	
J	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	
-	Paracetamol Tablet (Tabs: 2 x 500mg) PO over 5 min	┛┠
1	Skip	

Figure 9: Choose the medications to add to the cycle

Physician verify the medications so they can be administered if required

and the second division of the second divisio	Contraction of the local division of the loc	atin 1 Day	nan 1x10(9)/L, then postponement by 7 days + If PLT less than 100x10(9)/L, then postponer			
e postpon-	ement rules	IT NEUX less th	an 1x10(9)/L, then postponement by 7 days + 17 +L1 less than 100x10(9)/L, then postponen	nent by / days		
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	07:35	Smin Dexamethasone phosphate So x A ? by intravenous injection	Dexamethasone phosphate Solution for injection/infusion by intravenous injection	ction/infusion 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	
			Renal Impairment • Patients with creatinine clearance values of <60ml/min are at creater risk to deve	on musilosunesssion		
		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 10: 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.