

UKALL14 Phase 2 Standard Induction Therapy

This is a clinical trial protocol intended for off-trial use.

INDICATIONS FOR USE:

INDICATION	ICD10	Regimen Code	HSE approved reimbursement status*
Induction of remission in newly diagnosed previously untreated Adult Acute Lymphoblastic Leukaemia (ALL) patients** (aged 25–65 years)*** treated on UKALL14-protocol following Phase 1 Induction Therapy*	C91	00875a	Imatinib – CDS Other drugs - N/A

*This applies to post 2012 indications only

** **riTUXimabⁱ to be included in CD20 positive patients (in general >20% positivity)**

TREATMENT:

Table 1: UKALL14 treatment schedule

Phase 1 Standard induction	Phase 2 Standard induction	Intensification / CNS Prophylaxis	Consolidation Phase Cycle 1	Consolidation Phase Cycle 2	Consolidation Phase Cycle 3	Consolidation Phase Cycle 4	Maintenance

Treatment is administered as described in the treatment table below. The treatment cycle is 28 days.

***It may sometimes be used in patients ≥ 19 years with Philadelphia Chromosome positive acute lymphoblastic leukaemia.

Patients being treated for ALL require complex inpatient care in a designated cancer centre with comprehensive multidisciplinary team (MDT) availability.

Note:

- To commence following haematopoietic recovery from Phase 1 Induction i.e. when ANC $> 0.75 \times 10^9/L$ and Platelets $> 75 \times 10^9/L$, confirm remission by morphological bone marrow examination including Minimum Residual Disease (MRD) examination.
 - The bone aspirate must be done by day 35 at the latest.
- Phase 2 Induction Therapy should typically begin on day 29 following treatment with Phase 1 Induction (**Refer to NCCP Regimen 00874 UKALL 14 Phase 1 Standard Induction Therapy**)
- Patients with T-cell morphology if suitable may receive nelarabine as an additional course:
 - Day 1 of nelarabine treatment should be given immediately after haematopoietic recovery (ANC $> 0.75 \times 10^9/L$ and Platelets $> 75 \times 10^9/L$) following Phase 2 Standard Induction Therapy and must be no earlier than day 29.
 - Bone marrow sample to assess MRD post phase 2 should be prior to initiation of nelarabine.

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 1 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

- Patients with Grade ≥ 2 Neurological Toxicity should not be given nelarabine and should continue directly to the next scheduled phase of treatment – (**Ref NCCP Regimen 00876 UKALL14 Intensification/CNS Prophylaxis Therapy**).

Facilities to treat anaphylaxis MUST be present when systemic anticancer treatment (SACT) is administered.

Day	Drug	Dose	Route	Diluent & Rate
1 - 28	Mercaptopurine	60mg/m ²	PO	n/a
1,8,15,22 ^a	riTUXimab (CD20 positive patients ONLY)	375mg/m ²	IV infusion ^b Observe post infusion ^b	500mL NaCl 0.9% at a maximum rate of 400mg/hour
1, 15	cycloPHOSphamide	1000mg/m ²	IV infusion ^c	250mL NaCl 0.9 % over 30 minutes
2 – 5, 9 – 12, 16 – 19, 23 – 26	Cytarabine ^d	75mg/m ²	IV infusion	100mL NaCl 0.9% over 30 minutes
1, 8, 15, 22	Methotrexate	12.5mg	Intrathecal ^{e, f}	n/a
1 - 28	Imatinib (Philadelphia positive patients ONLY)	600mg ^g	PO	n/a
^a Administration days can be amended at the discretion of the prescribing Consultant.				
^b See Table 2: Guidance for riTUXimab administration.				
^c 125mL/m ² /hour 0.9% NaCl to start 30 minutes before cycloPHOSphamide and to continue for 3.5 hours afterwards (i.e. 4 hours in total). Do not add potassium. Mesna is not needed.				
^d Timing of cytarabine blocks can be scheduled so that they take place during the week provided that full doses are given. May also be given by slow IV bolus (concentration of 20mg/mL).				
^e Refer to NCCP Guidance on the Safe Use of Intrathecal Chemotherapy in the Treatment of Cancer Available on the NCCP website				
^f Timing of intrathecal therapy can be moved +/- 3 days.				
^g Patient may require 400mg dose if 600mg not tolerated.				

Note: Administration volumes and fluids have been standardised to facilitate electronic prescribing system builds.

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 2 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

Table 2: Guidance for ritUXimab administration

The recommended initial rate for infusion is 50 mg/hour; after the first 30 minutes, it can be escalated in 50 mg/hour increments every 30 minutes, to a maximum of 400 mg/hour. Subsequent infusions can be infused at an initial rate of 100 mg/hour, and increased by 100 mg/hour increments at 30 minute intervals, to a maximum of 400 mg/hour. Development of an allergic reaction may require a slower infusion rate. Any deviation from the advised infusion rate should be noted in local policies
Recommended observation period: Patients should be observed for at least six hours after the start of the first infusion and for two hours after the start of the subsequent infusions for symptoms like fever and chills or other infusion-related symptoms. Any deviation should be noted in local policies.
ritUXimab should be diluted to a final concentration of 1-4mg/mL.
Rapid rate infusion scheduleⁱⁱ See NCCP guidance available on the NCCP website If patients did not experience a serious infusion related reaction with their first or subsequent infusions of a dose of ritUXimab administered over the standard infusion schedule, a more rapid infusion can be administered for second and subsequent infusions using the same concentration as in previous infusions. Initiate at a rate of 20% of the total dose for the first 30 minutes and then 80% of the dose for the next 60 minutes (total infusion time of 90 minutes). If the more rapid infusion is tolerated, this infusion schedule can be used when administering subsequent infusions. Patients who have clinically significant cardiovascular disease, including arrhythmias, or previous serious reactions to any prior biologic therapy or to ritUXimab, should not be administered the more rapid infusion.

ELIGIBILITY:

- Indication as above
- Aged ≥ 25 and ≤ 65 years old with acute lymphoblastic leukaemia **OR** ≥ 19 and ≤ 65 years old with Philadelphia Chromosome positive acute lymphoblastic leukaemia.

EXCLUSIONS:

- Hypersensitivity to ritUXimab, cycloPHOSphamide, cytarabine, mercaptopurine, methotrexate, imatinib or any of the excipients
- Refer to NCCP Regimen 00874 UKALL14 Phase 1 Standard Induction Therapy for exclusions

PRESCRIPTIVE AUTHORITY:

The treatment plan must be initiated by a Consultant Haematologist working in the area of haematological malignancies.

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 3 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

TESTS:

Baseline tests:

- Refer to UKALL14 v12 trial protocol for full details
- Ensure all previous pre-assessments as per Phase 1 Standard Induction have been completed
- FBC, renal and liver profile

Regular tests:

- Refer to UKALL14 v12 trial protocol for full details
- FBC, renal and liver profile as required
- Coagulation screen

Disease monitoring:

Disease monitoring (including MRD by flow and molecular methods) should be in line with the patient's treatment plan and any other test/s as directed by the supervising Consultant.

DOSE MODIFICATIONS:

- Any dose modification should be discussed with a Consultant.
- Further detailed information on managing dose modifications can be found in the UKALL14 v12 trial protocol.

Renal and Hepatic Impairment:

Table 3: Dose modifications based on renal and hepatic impairment

Drug	Renal impairment		Hepatic impairment
riTUXimab	No need for dose adjustment is expected Haemodialysis: no need for dose adjustment is needed		No need for dose adjustment is expected
cycloPHOSphamide	CrCl (mL/min)	Dose	Mild and moderate: no need for dose adjustment is expected. Severe: not recommended, due to risk of reduced efficacy
	≥30	No dose adjustment is needed	
	10-29	Consider 75% of the original dose	
	<10	Not recommended, if unavoidable consider 50% of the original dose	
	Haemodialysis	Not recommended, if unavoidable consider 50% of the original dose	

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 4 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

Cytarabine	No dose adjustments needed		Bilirubin (micromol/L)	Dose
			<50	100%
			≥50 but <90	50%
			≥90 but <120	25%
			≥120	Omit dose
			Do not alter dose for abnormal transaminases	
Mercaptopurine	CrCl (mL/min)	Dose	Bilirubin >50micromol/L omit mercaptopurine until it is less than 20micromol/L and then restart at half the previously dose. Escalate from 50% to 75% to 100% dose at 10-day intervals provided that hyperbilirubinaemia does not recur. Consider dose modification for elevated aminotransferases.	
	≥30	No need for dose adjustment is expected		
	<30	Increase dosing interval to 48 hours		
	Haemodialysis	Not recommended		
Imatinib	Patients with renal dysfunction or on dialysis should be given the minimum recommended dose of 400 mg daily as starting dose. However, in these patients caution is recommended. The dose can be reduced if not tolerated. If tolerated, the dose can be increased for lack of efficacy		Patients with mild, moderate or severe liver dysfunction should be given the minimum recommended dose of 400 mg daily. The dose can be reduced if not tolerated	
riTUXimab: Renal and hepatic – Giraud et al, 2023 cycloPHOSphamide: Renal and hepatic – Giraud et al, 2023 Cytarabine: Renal – Giraud et al 2023; hepatic – UKALL14 v12 Mercaptopurine: Renal – Giraud et al 2023; hepatic – UKALL14 v12 Imatinib: Renal and hepatic – Product SmPC				

*National Cancer Institute Common Terminology Criteria Adverse Event (NCI CTCAE)

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 5 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens		

Management of adverse events:

Table 4: Dose modification schedule based on adverse events

Drug	Adverse reactions			Recommended dose modification
riTUXimab	Severe infusion related reaction (e.g. dyspnoea, bronchospasm, hypotension or hypoxia) First occurrence			Interrupt infusion immediately. Evaluate for cytokine release/tumour lysis syndrome (appropriate laboratory tests) and pulmonary infiltration (chest x-ray). Infusion may be restarted on resolution of all symptoms, normalisation of laboratory values and chest x-ray findings at no more than one-half the previous rate.
	Second occurrence			Consider coverage with steroids for those who are not already receiving steroids. Consider discontinuing treatment.
	Mild or moderate infusion-related reaction			Reduce rate of infusion. The infusion rate may be increased upon improvement of symptoms.
Imatinib	Bilirubin		Liver Transaminases	
	> 3 x ULN	or	> 5 x ULN	Hold until bilirubin < 1.5 x ULN and transaminase levels < 2.5 x ULN and then resume at reduced dose: • 400mg to 300mg or • 600mg to 400mg
	Severe non-haematological toxicity			Withhold treatment until resolved. Resume treatment depending on the initial severity of the event.

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 6 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

SUPPORTIVE CARE:

EMETOGENIC POTENTIAL:

- As outlined in NCCP Classification Document for Systemic AntiCancer Therapy (SACT) Induced Nausea and Vomiting [available on the NCCP website](#)

riTUXimab:	Minimal (Refer to local policy) .
cycloPHOSphamide:	Moderate (Refer to local policy) .
Cytarabine:	Low (Refer to local policy) .
Mercaptopurine:	Minimal to low (Refer to local policy) .
Imatinib:	Moderate to high* (Refer to local policy) .

*Based on clinical experience, the emetogenic potential of imatinib may be regarded as moderate as opposed to moderate to high.

For information:

Within NCIS regimens, antiemetics have been standardised by the Medical Oncologists and Haemato-oncologists and information is available in the following documents:

- NCCP Supportive Care Antiemetic Medicines for **Inclusion in NCIS** (Medical Oncology) [available on the NCCP website](#)
- NCCP Supportive Care Antiemetic Medicines for **Inclusion in NCIS** (Haemato-oncology) [available on the NCCP website](#)

PREMEDICATIONS:

- Premedication consisting of an anti-pyretic and an anti-histamine should always be administered before each dose of riTUXimab as per table 5 below. Consider the inclusion of a glucocorticoid in patients not receiving glucocorticoid containing chemotherapy.

Table 5: Suggested premedications prior to riTUXimab infusion:

Drugs	Dose	Route
Paracetamol	1g	PO 60minutes prior to riTUXimab infusion
Chlorphenamine	10mg	IV bolus 60 minutes prior to riTUXimab infusion
Hydrocortisone	100mg	IV bolus 60 minutes prior to riTUXimab infusion

OTHER SUPPORTIVE CARE:

- Anti-viral prophylaxis **(Refer to local policy)**
- Anti-fungal prophylaxis **(Refer to local policy)**
- PJP prophylaxis **(Refer to local policy)**
- G-CSF **(Refer to local policy)**
- Norethisterone (menstruating women only) **(Refer to local policy)**
- Proton pump inhibitor (PPI) **(Refer to local policy)**

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 7 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		

ADVERSE EFFECTS

- Please refer to the relevant Summary of Product Characteristics (SmPC) for details.

REGIMEN SPECIFIC COMPLICATIONS:

- Hepatitis B Reactivation:** Patients should be tested for both HBsAg and HBcoreAb as per local policy. If either test is positive, such patients should be treated with anti-viral therapy (**Refer to local infectious disease policy**). These patients should be considered for assessment by hepatology.

DRUG INTERACTIONS:

- Current SmPC and drug interaction databases should be consulted for information.

COMPANY SUPPORT RESOURCES/Useful Links:

Please note that this is for information only and does not constitute endorsement by the NCCP

riTUXimab:

Please refer to the HPRa website (www.hpra.ie) for the individual product for list of relevant support resources

REFERENCES:

- UKALL14. A randomized trial for adults with newly diagnosed acute lymphoblastic leukaemia. Eudract No: 2009-012717-22. Version 12.0, 26.06.2018
- Huguet F et al. Intensified Therapy of Acute Lymphoblastic Leukaemia in Adults: Report of the Randomised GRALL-2005 Clinical Trial. J Clin Oncol 2018. 36:24; 2514-2523
- Rituximab administration schedule agreed at NCCP ALL SACT Clinical Advisory Group meeting 5/3/2025.
- NHS Thames Valley. ML.52 ALL Phase 2 Induction. Last updated Oct 2019. Accessed 14.01.2025. Available at: <https://nssg.oxford-haematology.org.uk/myeloid/protocols/ML-52-all-phase-2-induction.pdf>
- Marks DI et al. Addition of four doses of rituximab to standard induction chemotherapy in adult patients with precursor B-cell acute lymphoblastic leukaemia (UKALL14): a phase 3, multicentre, randomised controlled trial. Lancet Haematol. 2022 Apr;9(4):e262-e275. doi: 10.1016/S2352-3026(22)00038-2. PMID: 35358441; PMCID: PMC8969057.
- NCCP Classification Document for Systemic Anti-Cancer Therapy (SACT) Induced Nausea and Vomiting. V6 2025. Available at: <https://www.hse.ie/eng/services/list/5/cancer/profinfo/chemoprotocols/nccp-classification-document-for-systemic-anti-cancer-therapy-sact-induced-nausea-and-vomiting.pdf>
- Giraud E L, Lijster B D, et al. Dose recommendations for anticancer drugs in patients with renal or hepatic impairment: an update. Available at: <https://pubmed.ncbi.nlm.nih.gov/37269847/>

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 8 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens		

8. Mercaptopurine Summary of Product Characteristics. Last updated 04/07/2025. Accessed September 2025. Available at: https://assets.hpra.ie/products/Human/36253/Licence_PPA1463-128-001_12042022162740.pdf
9. Cyclophosphamide (Endoxana®) Summary of Product Characteristics. Last updated 19/01/2025. Accessed September 2025. Available at: https://assets.hpra.ie/products/Human/15729/Licence_PA2299-027-002_21122018112109.pdf
10. Cytarabine Summary of Product Characteristics. Last updated 18/08/2025. Accessed September 2025. Available at: https://assets.hpra.ie/products/Human/27655/Licence_PA2315-082-001_26112020144445.pdf
11. Methotrexate Summary of Product Characteristics. Last updated: 10/06/2025. Accessed September 2025. Available at: https://assets.hpra.ie/products/Human/22087/Licence_PA0822-206-002_10042025112938.pdf
12. Imatinib (Glivec®) Summary of Product Characteristics. Last updated: 04/08/2025. Accessed September 2025. Available at: https://www.ema.europa.eu/en/documents/product-information/imatinib-teva-epar-product-information_en.pdf

Version	Date	Amendment	Approved By
1	01/10/2025		Prof. Mary Cahill, Dr. Robert Henderson, Dr Janusz Krawczyk

Comments and feedback welcome at oncologydrugs@cancercontrol.ie.

ⁱ This is an unlicensed indication for the use of ritUXimab in Ireland. Patients should be informed of this and consented to treatment in line with the hospital's policy on the use of unlicensed medication and unlicensed or "off label" indications. Prescribers should be fully aware of their responsibility in communicating any relevant information to the patient and also ensuring that the unlicensed or "off label" indication has been acknowledged by the hospital's Drugs and Therapeutics Committee, or equivalent, in line with hospital policy.

ⁱⁱ The rapid infusion is an unlicensed means of administration of ritUXimab for the indications described above, in Ireland. Patients should be informed of this and consented to treatment in line with the hospital's policy on the use of unlicensed medication and unlicensed or "off label" indications. Prescribers should be fully aware of their responsibility in communicating any relevant information to the patient and also ensuring that the unlicensed or "off label" means of administration has been acknowledged by the hospital's Drugs and Therapeutics Committee, or equivalent, in line with hospital policy.

NCCP Regimen: UKALL14 Phase 2 Standard Induction Therapy	Published: 01/10/2025 Review: 01/10/2026	Version number: 1
Tumour Group: Leukaemia and Myeloid Neoplasms NCCP Regimen Code: 00875	IHS Contributor: Dr Robert Henderson, Prof. Mary Cahill, Dr Janusz Krawczyk	Page 9 of 9
The information contained in this document is a statement of consensus of NCCP and ISMO or IHS professionals regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult these documents is expected to use independent medical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. Use of these documents is the responsibility of the prescribing clinician and is subject to HSE's terms of use available at http://www.hse.ie/eng/Disclaimer <i>This information is valid only on the day of printing, for any updates please check www.hse.ie/NCCPSACTregimens</i>		