

奇美醫療財團法人柳營奇美醫院

文件類別	程序書	文件編號	13-5500-OP-M02	
文件名稱	<b>高警訊藥品管理辦法</b>			
制修單位	藥劑部			
制修訂記錄				
版次	日期	制修訂要點	維護者	決行者
1	93.08.01	初制定	許輝榮	陳憲煜
2	94.08.01	檢視未修訂	許輝榮	陳憲煜
3	95.08.01	檢視未修訂	許輝榮	陳憲煜
4	96.08.06	檢視未修訂	許輝榮	陳憲煜
5	97.08.04	檢視未修訂	許輝榮	陳憲煜
6	98.08.03	檢視未修訂	許輝榮	陳憲煜
7	99.08.02	檢視未修訂	許輝榮	陳憲煜
8	100.07.01	改版	許輝榮	陳憲煜
9	101.07.02	檢視未修訂	許輝榮	陳憲煜
10	102.07.03	檢視未修訂	蘇郁仁	陳憲煜
11	103.07.07	檢視未修訂	蘇郁仁	陳憲煜
12	104.07.06	檢視未修訂	蘇郁仁	陳憲煜
13	105.01.12	表格更新	蘇郁仁	陳憲煜
14	105.03.10	更新藥品類別與藥品品項	蘇郁仁	陳憲煜
15	106.01.12	檢視未修訂	蘇郁仁	陳憲煜
16	107.07.02	檢視未修訂	蘇郁仁	陳憲煜
17	108.05.10	更新藥品類別與藥品品項	蘇郁仁	陳憲煜
18	108.10.22	修訂文件格式	蘇郁仁	陳憲煜
19	109.05.11	更新藥品品項	蘇郁仁	陳憲煜

# 目錄

一、目的.....	1
二、適用範圍.....	1
三、名詞定義.....	1
四、權責單位.....	1
五、作業內容.....	1
六、流程圖.....	3
七、表單.....	3
八、參考文件.....	3
九、增修內容對照表.....	5
十、附件.....	6

# 高警訊藥品管理辦法

## 一、目的

針對高警訊藥品之調配和投予建立安全之管理規範，提高藥事人員對取用高警訊藥品之警覺，以促進及維護病人安全。

## 二、適用範圍

凡執行高警訊藥物處方之開立、調配、給藥、過程之藥事相關人員適用之。

## 三、名詞定義

高警訊藥品:當一個藥物在使用錯誤時，有很高的機率對病人造成明顯傷害危險，就稱其為高警訊藥物（high-alert medications）。

## 四、權責單位

藥劑部

## 五、作業內容

### (一) 管理原則：

#### 1. 安全管理原則

##### (1) 高警訊藥品進用管理原則

- A. 高警訊藥品之確認：凡經藥委會核准進用之新藥，需於藥劑部藥物資訊組確認藥委會決議屬高警訊藥物者，於建立藥品主檔時藥品加註紅色。
- B. 處方藥袋加註『高警訊』字樣。請參閱 13-5500-WI-O06 藥品辨識作業流程
- C. 電子處方集之管理，全院辨識系統連結電子處方集，加註特殊標記以供辨識。
- D. 藥品之儲存：凡屬高警訊藥物皆與其他常備藥品區隔，存放並有明顯標記，以加強辨識，遇藥名、外觀相似者區隔存放之。
- E. 高警訊藥品相關訊息更新：

- (A) 藥管組管理藥師需定期更新新進高警訊藥品之主檔。
- (B) 藥物諮詢小組藥師於發佈新藥通告時，內容需特別註明該藥為高警訊藥物以及相關注意事項。
- (C) 電子處方集與藥品外觀辨識系統維護更新：由專任電腦資訊之臨床藥師負責定期維護更新，所有高警訊藥品之相關資訊，注意事項及外觀圖片。

2. 高警訊藥品之使用管理：

(1) 對高警訊藥品之處方開立，藥品準備與調配，投予皆建立安全之步驟：

A. 處方開立：

- (A) 禁止高警訊藥品之口頭醫囑
- (B) 高警訊藥品處方需以電腦醫囑開立。

B. 藥品準備與調配：

- (A) 高警訊藥品之庫存需與一般藥品分開並標示清楚。
- (B) 病房僅限備放急救公藥，應存放於上鎖的藥櫃並需貼上高警訊藥品之明顯標籤。靜脈注射之高警訊藥品應清楚標示，以別於其他標籤。藥劑部每三個月應派員藥師定期至各單位檢查急救車藥物數量、效期、標籤、藥品外觀是否完備清楚，確保藥品品質，並留有紀錄可查。參閱 13-5500-WI-M16 急救車藥物管理作業流程。

3. 根據 ISMP 認定首 5 類高警訊藥品之管理原則：

(1) Insulin 與 Heparin:

- A. 病人需以處方箋領藥。
- B. 病人用量未及最低單位(Insulin: 1000 u/10ml/vial) (Heparin: 25000 u/5ml/vial)門急診護士到藥局向藥師領取，當場抽取使用之單位。
- C. 設公藥之各護理站由護理部自行管理，藥劑部定期查核。參閱 13-5500-WI-M17 醫療單位常備公藥管理作業流程。
- D. 二者外包裝完全不相同。

(2) Opiates and Narcotics:

- A. 目前僅有 1-3 類麻管藥在護理站有設公藥，由護理部依管制藥品管理條令管理。
- B. 病人自控止痛藥 PCA 之調配由藥師依優良藥品調劑作業規範調配。參閱 13-5500-WI-N02 病人自控式止痛藥品配製流程。

(3) Neuromuscular blocking agents:

- A. 本院之神經肌肉阻斷劑之使用必需由醫師開立處方。護理站未設公藥。
  - B. 調劑管理辦法需依藥事法之優良藥品調劑作業規範管理
4. 醫囑電腦管控使用途徑系統：表列之高警訊藥品使用途徑未符電腦設定醫囑將無法開立，以保障病人用藥安全。

藥品代號	藥名	使用途徑設限	藥品代號	藥名	使用途徑設限
14D010	Digoxin	靜脈滴注	14N052	Nimodipine	靜脈滴注
17K013	KCl	靜脈滴注	14N044	Nitroglycerin	靜脈滴注
14D052	Dobutamine	靜脈滴注	14L016	Levophed	靜脈滴注
14D028	Dopamine	靜脈滴注	14A077	PGE1(Promostan)	靜脈滴注
17P084	K3PO4	靜脈滴注	16S011	NaHCO3	靜脈滴注
16M019	MgSO4	靜脈滴注			

(二) 院內高警訊藥品:依 ISMP 分類，見附件。

六、流程圖

無

七、表單

無

八、參考文件

美國 ISMP (Institute for Safe Medication Practices) 公佈高警訊藥物共有 22 類及 12 項特定品項如附表。

應提高警覺之藥品類別(Classes/Categories of Medications)
1. adrenergic agonists, IV (e.g., EPINEPHrine, phenylephrine, norepinephrine)
2. adrenergic antagonists, IV (e.g., propranolol, metoprolol, labetalol)
3. anesthetic agents, general, inhaled and IV (e.g., propofol, ketamine)
4. antiarrhythmics, IV (e.g., lidocaine, amiodarone)
5. antithrombotic agents, including: <ul style="list-style-type: none"> <li>■ anticoagulants (e.g., warfarin, low molecular weight heparin, IV unfractionated heparin)</li> <li>■ Factor Xa inhibitors (e.g., fondaparinux, apixaban, rivaroxaban)</li> <li>■ direct thrombin inhibitors (e.g., argatroban, bivalirudin, dabigatran etexilate)</li> <li>■ thrombolytics (e.g., alteplase, reteplase, tenecteplase)</li> <li>■ glycoprotein IIb/IIIa inhibitors (e.g., eptifibatide)</li> </ul>
6. cardioplegic solutions
7. chemotherapeutic agents, parenteral and oral
8. dextrose, hypertonic, 20% or greater
9. dialysis solutions, peritoneal and hemodialysis
10. epidural or intrathecal medications
11. hypoglycemics, oral
12. inotropic medications, IV (e.g., digoxin, milrinone)
13. insulin, subcutaneous and IV
14. liposomal forms of drugs (e.g., liposomal amphotericin B) and conventional counterparts (e.g., amphotericin B desoxycholate)
15. moderate sedation agents, IV (e.g., dexmedetomidine, midazolam)
16. moderate sedation agents, oral, for children (e.g., chloral hydrate)
17. narcotics/opioids <ul style="list-style-type: none"> <li>■ IV</li> <li>■ transdermal</li> <li>■ oral (including liquid concentrates, immediate and sustained-release formulations)</li> </ul>
18. neuromuscular blocking agents (e.g., succinylcholine, rocuronium, vecuronium)
19. parenteral nutrition preparations
20. radiocontrast agents, IV
21. sterile water for injection, inhalation, and irrigation (excluding pour bottles) in containers of 100 mL or more
22. sodium chloride for injection, hypertonic, greater than 0.9% concentration
應提高警覺之特定藥品(Specific Medications)
1. EPINEPHrine, subcutaneous
2. epoprostenol (Flolan), IV

3. insulin U-500 (special emphasis)*
4. magnesium sulfate injection
5. methotrexate, oral, non-oncologic use
6. opium tincture
7. oxytocin, IV
8. nitroprusside sodium for injection
9. potassium chloride for injection concentrate
10. potassium phosphates injection
11. promethazine, IV
12. vasopressin, IV or intraosseous

### 九、增修内容対照表

第〇版修訂（〇〇年〇〇月〇〇日）

現行條文	修正條文	説明

## 十、附件

### 院內高警訊藥品

#### (一) 應提高警覺之藥品類別(Classes/Categories of Medications)

1. Adrenergic agonists, IV		
藥品代號	商品名	學名
14D028	DOPAMIN 200MG/5ML	DOPAMINE 200MG/5ML
14D052	DOBUTREX 12.5MG/ML (Gendobu)	DOBUTAMINE 12.5MG/ML, 20ML
14E041	EASYDOPA(400mg/250mL/pk)	Dopamine/dextrose(1.6/50mg/mL)
14L016	LEVOPHED 4MG/4ML	NOREPINEPHRINE 4MG/4ML
15A017	BOSMIN 1MG/1ML (ADRENALIN)	EPINEPHRINE 1MG/1ML
15E015	EPHEDRINE 40MG/1ML	EPHEDRINE 40MG/1ML
15I021	PROTERNOL-L 0.2MG/1ML	ISOPROTERINOL 0.2MG/1ML
2. Adrenergic antagonists, IV		
藥品代號	商品名	學名
14A019	ADENOCOR 6MG/2ML	ADENOSINE 6MG/2ML
14D086	HERBESSER 50MG	DILTIAZEM 50MG
14E017	ESMOLOL 10MG/ML, 10ML	ESMOLOL 10MG/ML, 10ML
14I031	ISOPTIN 5MG/2ML (VERPAMIL)	VERAPAMIL 5MG/2ML/A
14N052	NIMOTOP 0.02%, 50ML	NIMODIPINE 0.02%, 50ML
14T020	TRANDATE 5MG/ML, 5ML	LABETALOL 5MG/ML, 5ML
3. Anesthetic agents, general, inhaled and IV		
藥品代號	商品名	學名
13T030	CITOSOL (500mg/V) INJ.	THIAMYLAL (500mg/V) INJ.
12P018	PROPOFOL 1%, 20ML/A	PROPOFOL 1%, 20ML/A
12P026	PROPOFOL 2%, 50ml/BT	PROPOFOL 2%, 50ml/BT
12L010	LIDOCAINE 2%, 5ML IV	LIDOCAINE 2%, 5ML IV
12L028	CHIROCAINE(5mg/ml, 10ml)	LEVOBUPIVACAINE(5mg/ml, 10ml)
12K005	KETALAR INJ 50MG/ML, 10ML	KETAMINE INJ 50MG/ML, 10ML
4. Antiarrhythmics, IV		
藥品代號	商品名	學名
14C047	CORDARONE INJ. 150MG/3ML	AMIODARONE 150MG/3ML
12L010	LIDOCAINE 2%, 5ML IV	LIDOCAINE 2%, 5ML IV
14A019	ADENOCOR 6MG/2ML	ADENOSINE 6MG/2ML
5. Antithrombotic agents		
藥品代號	商品名	學名



14T054	AGGRASTAT 0.25MG/ML, 50ML	TIROFIBAN 0.25MG/ML, 50ML
14A051	ACTILYSE 50MG	ALTEPLASE 50MG (GAMMA-TPA)
14A077	PROMOSTAN (20mcg)	PROSTAGLANDIN E1(20mcg)
14F022	ARIXTRA (2.5mg/0.5ml)	FONDAPARINUXSod.(2.5mg/0.5ml)
14U035	UROKINASE 250KIU	UROKINASE 250KIU
14U043	UROKINASE 60KIU	UROKINASE 60KIU
14D078	FRAGMIN 5KIU/0.2ML	DALTEPARIN 5KIU/0.2ML
14H018	HEPARIN 5KU/ML (AGGLUTEX)	HEPARIN 5KU/ML, 25KU/V
14E025	CLEXANE (60MG/0.6ML)	ENOXAPARIN (60MG/0.6ML)
24D146	PRADAXA110mg	Dabigatran110mg
24D154	PRADAXA150mg	Dabigatran150mg
24E098	ELIQUIS5mg	Apixaban5mg
24L105	LIXIANA F.C.60mg	Edoxaban60mg
24R075	XARELTO 10mg	Rivaroxaban 10mg
24R091	XARELTO15mg	Rivaroxaban15mg
24R102	XARELTO20mg	Rivaroxaban20mg
24W004	COUMADIN TAB 2.5MG	WARFARIN TAB 2.5MG
<b>6. Cardioplegic solutions</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
14P030	PLEGISOL 1000ML	PLEGISOL 1000ML
<b>7. Chemotherapeutic agents, parenteral and oral</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
20A016	ALKERAN 2MG	MELPHALAN 2MG
20A074	GIOTRIF (40mg )	Afatinib (40mg )
20A082	INLYTA(1mg)	Axitinib(1mg)
20A090	GIOTRIF (30mg )	Afatinib (30mg )
20A101	GIOTRIF 40mg .贈藥	Afatinib 40mg .贈藥
20A119	GIOTRIF 30mg .贈藥	Afatinib 30mg .贈藥
20A127	ALECENSA (150mg)	Alectinib HCl (150mg)
20A135	INLyta(5mg)	Axitinib(5mg)
20B021	MYLERAN (2mg)	Busulfan (2mg)
20C044	XELODA 500MG	CAPECITABINE 500MG
20C052	LEUKERAN 2MG	CHLORAMBUCIL 2MG
20C078	ZYKADIA (150mg)	Ceritinib (150mg)
20C086	COTELLIC(20mg).恩慈專案	Cobimetinib(20mg).恩慈專案
20C094	COTELLIC(20mg).	Cobimetinib(20mg).
20C226	ZYKADIA (150mg).贈藥	Ceritinib (150mg).贈藥

20D025	SPRYCEL (50mg)	DASATINIB (50mg)
20D033	SPRYCEL (20mg)	DASATINIB (20mg)
20E014	ENDOXAN 50MG	CYCLOPHOSHAMIDE 50MG
20E022	VEPESID 50MG	ETOPOSIDE 50MG
20E030	Estracyt (140mg) Cap.	Estramustine 140mg
20E048	Tarceva (150mg)	Erlotinib (150mg)
20E056	Tarceva (100mg)	Erlotinib (100mg)
20E072	Afinitor (5mg).	Everolimus (5mg).
20E109	Tarceva 150mg.贈藥	Erlotinib 150mg.贈藥
20G018	Iressa (250mg)	Gefitinib (250mg)
20G026	Iressa 250mg.贈藥	Gefitinib 250mg.贈藥
20H015	HYDREA 500mg	HYDROXYUREA 500mg
20I020	IMURAN 50MG (ASAZIPAM)	AZATHIOPRINE 50MG
20I046	Glivec (100mg)	Imatinib mesylate(100mg)
20I054	Imbruvica(140mg)恩慈療法	Ibrutinib(140mg).恩慈療法
20I062	Ninlaro (4mg).恩慈計劃	Ixazomib (4mg).恩慈計劃
20I070	Ninlaro (3mg).恩慈計劃	ixazomib (3mg).恩慈計劃
20I088	Ninlaro (2.3mg).恩慈計劃	ixazomib (2.3mg).恩慈計劃
20I096	Imbruvica(140mg).自費	Ibrutinib(140mg).自費
20I104	Imbruvica(140mg)	Ibrutinib(140mg)
20I112	Glivec(N)(100mg)	Imatinib mesylate(N)(100mg)
20I120	Ninlaro (4mg).自費	Ixazomib (4mg).自費
20I128	Ninlaro (4mg).贈藥	Ixazomib (4mg).贈藥
20L097	Revlimid (25mg)	Lenalidomide (25mg)
20L055	Tykerb (250mg)	Lapatinib (250mg)
20L116	Lenvatinib(4mg).恩慈專案	Lenvatinib(4mg).恩慈專案
20L124	Lenvatinib(10mg).恩慈專案	Lenvatinib(10mg).恩慈專案
20L132	Revlimid(10mg)	Lenalidomide(10mg)
20L140	Revlimid (5mg)	Lenalidomide (5mg)
20L158	Lenvima (4mg)	Lenvatinib Mesilate(4mg)
20L166	Lenvima (10mg)	Lenvatinib Mesilate(10mg)
20L174	Lonsurf (15/6.14mg)	Trifluridine/Tipiracil (15/6.14mg)
20L182	Lonsurf (20/8.19mg)	Trifluridine/Tipiracil (20/8.19mg)
20L198	Revlimid(10mg)	Lenalidomide(10mg)
20L206	Revlimid (25mg)自費	Lenalidomide (25mg)自費
20M010	METHOTREXATE 2.5MG (TREXAN)	METHOTREXATE 2.5MG
20M060	6-MP 50MG (MERCAPTOPURINE)	MERCAPTOPURINE 50MG

20M078	LYSODREN 500MG	MITOTANE 500MG
20M102	Rydapt (25mg).恩慈	Midostaurin (25mg).恩慈
20M110	Rydapt (25mg)	Midostaurin (25mg)
20N002	Nerlynx (40mg).恩慈專案	Neratinib (40mg).恩慈專案
20N017	Tasigna(150mg)	Nilotinib(150mg)
20O006	Osimertinib(80mg).恩慈專案	Osimertinib(80mg).恩慈專案
20O014	Tagrisso (80mg)	Osimertinib(80mg)
20O022	Tagrisso (80mg).贈藥	Osimertinib(80mg).贈藥
20O030	Lynparza (100mg).自費	Olaparib (100mg).自費
20O041	Lynparza (150mg)	Olaparib (150mg)
20O049	Lynparza (150mg).贈藥	Olaparib (150mg).贈藥
20P003	Votrient (200mg)	Pazopanib (200mg)
20P011	Pomalyst (4mg).恩慈專案	Pomalidomide(4mg).恩慈專案
20P019	Iclusig (15mg)	Ponatinib (15mg)
20P029	Pomalyst(2mg).恩慈專案	Pomalidomide(2mg).恩慈專案
20P037	Ibrance (125mg)	Palbociclib (125mg)
20P045	Pomalyst (1mg)	Pomalidomide(1mg)
20P053	Pomalyst (2mg)	Pomalidomide(2mg)
20P061	Pomalyst (3mg)	Pomalidomide(3mg)
20P069	Pomalyst (4mg)	Pomalidomide(4mg)
20P077	Ibrance (125mg).贈藥	Palbociclib (125mg).贈藥
20P093	Ibrance (100mg)	Palbociclib (100mg)
20R015	Stivarga(40mg).柳營.恩慈	Regorafenib(40mg)柳營.恩慈
20R023	Stivarga(40mg).	Regorafenib(40mg).
20R065	Kisqali (200mg)	Ribociclib (200mg)
20R073	Kisqali(200mg).贈藥	Ribociclib (200mg).贈藥
20S012	Sutent (50mg). 柳營	Sunitinib (50mg). 柳營
20S020	Nexavar (200mg)	Sorafenib(200mg)
20S038	Sutent (12.5mg)	Sunitinib (12.5mg)
20T001	Thado (50mg)	Thalidomide (50mg)
20T051	UFUR	TEGAFUR 100MG+URACIL 224MG
20T069	TEMODAL 100MG	TEMOZOLOMIDE 100MG
20T085	TEMODAL 20MG	TEMOZOLOMIDE 20MG
20T093	TS-1	TEGAFUR+GIMERACIL+OTERACIL
20T138	Hycamtin(1mg)	Topotecan(1mg)
20T154	Mekinist (0.5mg).恩慈計畫	Trametinib(0.5mg).恩慈計畫
20T162	Mekinist (2mg).恩慈計畫	Trametinib(2mg).恩慈計畫

20T170	Mekinist (2mg)	Trametinib (2mg)
20T194	Mekinist (2mg).贈藥	Trametinib (2mg)贈藥
20V021	Navelbine (20MG)	Vinorelbine 20mg
20V039	Zelboraf (240mg)	Vemurafenib (240mg)
20V047	Venclexta (10mg)	Venetoclax (10mg)
20V055	Venclexta (50mg)	Venetoclax (50mg)
20V063	Venclexta (100mg)	Venetoclax (100mg)
10A075	ASADIN 10MG/10ML	ARSENIC TRIOXIDE 10MG/10ML
10A083	Mabcampath(30mg/ml)	Alemtuzumab(30mg/ml)
10A102	Vidaza (100mg/V)	Azacitidine (100mg/V).
10A136	Zaltrap(100mg/4ml)	Aflibercept(100mg/4ml)
10A152	Leunase(10000 ku)	Asparaginase L(10000 ku)
10A178	Tecentriq(1200mg/20ml)	Atezolizumab(1200mg/20ml)
10A218	Vidaza 廠商贈(100mg/V)	Azacitidine 廠商贈(100mg/V)
10A226	Tecentriq(1200mg/20ml).贈藥	Atezolizumab(1200mg/20ml).贈
10B080	Avastin ( 100mg)	Bevacizumab ( 100mg)
10B125	Ribomustin(100mg)	Bendamustine(100mg)
10B133	ONCOTICE 12.5MG	BACILLUS CALMETTE-GU 12.5MG
10B064	BLEOCIN 15MG	BLEOMYCIN 15MG
10B098	BUSULFEX 60MG/10ML	BUSULFAN 60MG/10ML
10B109	VELCADE 3.5MG/V	BORTEZOMIB 3.5MG/V
10B141	Adcetris(50mg).	Brentuximab vedotin(50mg).
10B159	Innomustin 100mg.贈藥	Bendamustine100mg.贈藥
10B167	Adcetris 50mg.贈藥	Brentuximab 50mg.贈藥
10B191	Blinicyto (35mcg/V)	Blinatumomab (35mcg/V)
10B199	Blinicyto (35mcg/V)贈藥.	Blinatumomab (35mcg/V)贈藥
10B207	Avastin (100mg/V).贈藥	Bevacizumab (100mg/V).贈藥
10C045	Cytarabine (1000mg/10ml)針	Cytarabine (1000mg/10ml)
10C053	KEMOCARB 450MG	CARBOPLATIN 450MG
10C087	CYTARABINE 500MG/5ML	CYTARABINE 500MG/5ML
10C164	ENDOXAN 200mg	CYCLOPHOSPHAMIDE 200mg
10C209	BICNU (100mg/V)	Carmustine (100mg/V)
10C233	Gliadel Wafer(7.7mg)植入劑	Carmustine(7.7mg)植入劑
10C249	Kyprolis (60mg/vial).自費	Carfilzomib (60mg/vial)
10C257	Kyprolis (60mg/vial).贈藥	Carfilzomib (60mg/vial).贈藥
10D018	DACARBAZINE 200MG	DACARBAZINE 200MG
10D076	TAXOTERE 20MG	DOCETAXEL 20MG

10D084	DOXOR LYO 10MG	DOXORUBICIN 10MG
10D092	LIPODOX 20MG/10ML	LIPOSOME DOXORUBICIN 20MG/10ML
10D103	Cosmegen (0.5mg/V)	Dactinomycin (0.5mg/V)
10D116	Darzalex(400mg/20ml/V).恩慈	Daratumumab(400mg/20ml/V).恩
10D132	Darzalex(100mg/5ml/vial)自費	Daratumumab(100mg/vial)自費
10D140	Darzalex(400mg/20ml/v).自費	Daratumumab(400mg/20ml/v).自費
10D148	Darzalex 贈藥(400mg/20ml/vial)	Daratumumab 贈藥(400mg/20ml/via
10D156	Darzalex(100mg/5ml/vial)恩慈	Daratumumab(100mg/vial)恩慈
10D164	Imfinzi (500mg/10ml/v).恩慈	Durvalumab (500mg/10ml/v).恩
10D172	Darzalex 贈藥(100mg/5ml/vial)	Daratumumab 贈藥(100mg/vial)
10D188	Imfinzi (500mg/10mL/V)自費	Durvalumab(500mg/V).自費
10D196	Imfinzi (120mg/2.4mL/V)自費	Durvalumab(120mg/V).自費
10D204	Imfinzi (500mg/10mL/V)贈藥	Durvalumab(500mg/V).贈藥
10D212	Imfinzi (120mg/2.4mL/V)贈藥	Durvalumab(120mg/V)贈藥
10E049	VEPESID 100MG/5ML(FYTOSID)	ETOPOSIDE 100MG/5ML
10E065	PHARMORUBICIN 10MG	EPIRUBICIN 10MG
10E100	Halaven(0.5mg/ml,2ml)	Eribulin(0.5mg/ml,2ml)
10F054	FLUDARA 50MG	FLUDARABINE 50MG
10F149	5-FU 1000MG/20ML	FLUROURACIL 1000MG/20ML
10F165	Folotyn (20mg/1ml)	Pralatrexate (20mg/1ml)
10F173	Folotyn (20mg/1ml).贈藥	Pralatrexate (20mg/1ml).贈藥
10G019	GEMZAR 200MG	GEMCITABINE 200MG
10I013	HOLOXAN 2000MG	IFOSFAMIDE 2000MG
10I063	ZAVEDOS 5MG	IDARUBICIN 5MG
10I097	CAMPTO 100MG	IRINOTECAN 100MG
10I124	PROLEUKIN 18MIU/V	ALDESLEUKIN 18MIU/V
10I190	Ixempra (15mg/V)	Ixabepilone (15mg/V)
10I219	Yervoy(50mg/V)自費	Ipilimumab(50mg/V).自費
10I227	Onivyde(50mg/10ml)	Irinotecan Liposome.50mg/10ml
10I241	Ixempra (15mg/V) .贈藥	Ixabepilone (15mg/V) .贈藥
10I249	Onivyde(50mg/10ml).贈藥	Irinotecan Liposome.50mg/10ml
10K041	Kemoplat.	Cisplatin 50mg /50ml
10L072	Leustatin (10mg/10ml)	Cladribine (10mg/10ml)
10M053	Novantrone(20mg/10ml).	Mitoxantrone(20mg/10ml)
10M079	ALKERAN (50MG/10ML)	MELPHALAN 50MG/10ML
10M087	MITOMYCIN-C 10MG	MITOMYCIN-C 10MG

10M095	METHOTREXATE 500MG/5ML	METHOTREXATE 500MG/5ML
10N042	Opdivo(20mg/2ml/V)	Nivolumab(20mg/2ml/V)
10N034	Abraxane(100mg/20ml)	Nab-paclitaxel(100mg/20ml)
10N050	Opdivo(100mg/10ml/V)	Nivolumab(100mg/10ml/V)
10N068	Opdivo(100mg/10ml).恩慈專案	Nivolumab(100mg/10ml).恩慈專
10N076	Opdivo(20mg/2ml).恩慈專案	Nivolumab(20mg/2ml).恩慈專案
10N084	Opdivo(20mg/2ml/V).贈藥	Nivolumab(20mg/2ml/V).贈藥
10N092	Opdivo(100mg/10ml/V).贈藥	Nivolumab(100mg/10ml/V).贈藥
10O023	ONCOVIN 1MG/ML	VINCRISTINE 1MG/ML
10O031	OXALIP 50MG (ELOXATIN)	OXALIPLATIN 50MG
10O049	Gazyva(1000mg/V).恩慈療法	Obinutuzumab(1000mg/V).恩慈
10O057	Gazyva(1000mg/V).自費	Obinutuzumab(1000mg/V).自費
10O065	Gazyva 1000mg .贈藥	Obinutuzumab1000mg .贈藥
10O105	Lartruvo (500mg/50ml/V)自費	Olaratumab(500mg/50ml/V)自費
10O113	Lartruvo (500mg/50ml/V)贈藥	Olaratumab(500mg/50ml/V)贈藥
10P070	ALIMTA 500MG	PEMETREXED 500MG
10P088	PHYXOL 100MG	PACLITAXEL 100MG
10P123	ALIMTA 100MG	PEMETREXED 100MG/v
10P131	Phyxol (30mg/V)針	Paclitaxel (30mg/V)針
10P157	Perjeta(420mg/14ml)	Pertuzumab(420mg/14ml)
10P165	Perjeta(420mg/14ml)贈藥	Pertuzumab(420mg/14ml)贈藥
10P181	Keytruda(50mg/V)自費	Pembrolizumab(50mg/V)自費
10P199	Keytruda(50mg)恩慈專案	Pembrolizumab(50mg)恩慈專案
10P200	Alimta 500mg/V 贈藥	Pemetrexed 500mg/V 贈藥
10P258	Keytruda (100mg/V)	Pembrolizumab (100mg/V)
10R008	Mabthera (100mg/10ml)	Rituximab (100mg/10ml)
10R024	Mabthera (500mg/50ml)	Rituximab (500mg/50ml)
10R098	MabThera 皮下注射 (1400mg/11.7	Rituximab 皮下注射 (1400mg/11.7
10T028	HYCAMTIN 4MG	TOPOTECAN 4MG
10T044	Herceptin(600mg/5mL)皮下注射劑	Trastuzumab(600mg/5mL)皮下注射
10T052	Herceptin (440mg/V)	Trastuzumab (440mg/V)
10T094	Thiotepa (15mg/V)	Thiotepa (15mg/V)
10T105	Herceptin (440mg)贈藥	Trastuzumab (440mg)贈藥
10T113	Torisel(25mg/ml)	Temsirolimus(25mg/ml)
10T147	Tepadina (100mg/V)	Thiotepa(100mg/V)
10V022	NAVELBINE 10MG/ML	VINOREBLINE 10MG/ML
10V056	VELBE10MG/10ML	VINBLASTIN 10MG/10ML

8.Dextrose, hypertonic, 20% or greater		
藥品代號	商品名	學名
17G065	GITOSE 20%,20ML (VITAGEN)	DEXTROSE 20%,20ML
17G073	GITOSE 50%,20ML (VITAGEN)	DEXTROSE 50%,20ML
17G081	GLUCOSE 50%,500ML	DEXTROSE 50%,500ML
17V139	VitaGEN-S (20ml)	VitaGEN-S (20ml)
9.Dialysis solutions, peritoneal and hemodialysis		
藥品代號	商品名	學名
50C009	CAPD 2 STAY-SAFE 1.5% 1.5L	CAPD 2 STAY-SAFE 1.5% 1.5L
50C017	CAPD 2 STAY-SAFE 1.5% 2L	CAPD 2 STAY-SAFE 1.5% 2L
50C025	CAPD 2 STAY-SAFE 1.5% 2.5L	CAPD 2 STAY-SAFE 1.5% 2.5L
50C041	CAPD 3 STAY-SAFE 4.25% 1.5L	CAPD 3 STAY-SAFE 4.25% 1.5L
50C059	CAPD 3 STAY-SAFE 4.25% 2L	CAPD 3 STAY-SAFE 4.25% 2L
50C067	CAPD 3 STAF-SAFE 4.25% 2.5L	CAPD 3 STAF-SAFE 4.25% 2.5L
50C075	CAPD 3 STAY-SAFE 4.25% 5L	CAPD 3 STAY-SAFE 4.25% 5L
50C083	CAPD 4 STAY-SAFE 2.3% 1.5L	CAPD 4 STAY-SAFE 2.3% 1.5L
50C091	CAPD 4 STAY-SAFE 2.3% 2L	CAPD 4 STAY-SAFE 2.3% 2L
50C110	CAPD4 STAY-SAFE2.3% 2.5L	CAPD4 STAY-SAFE 2.3% 2.5L
50D030	DIANEAL 1.5% 1.5L	DIANEAL 1.5% 1.5L
50D048	DIANEAL 1.5% 2L	DIANEAL 1.5% 2L
50D056	DIANEAL 1.5% 2.5L	DIANEAL 1.5% 2.5L
50D064	DIANEAL 1.5% 5L	DIANELA 1.5% 5L
50D098	DIANEAL 2.5% 1.5L	DIANEAL 2.5% 1.5L
50D109	DIANEAL 2.5% 2L	DIANEAL 2.5% 2L
50D117	DIANEAL 2.5% 2.5L	DIANEAL 2.5% 2.5L
50D125	DIANEAL 2.5% 5L	DIANEAL 2.5% 5L
50D141	DIANEAL 4.25% 1.5L	DIANEAL 4.25% 1.5L
50D159	DIANEAL 4.25% 2L	DIANEAL 4.25% 2L
50D167	DIANEAL 4.25% 5L	DIANEAL 4.25% 5L
50D183	DIANEAL LOW Ca 1.5% 2L	DIANEAL LOW Ca 1.5% 2L
50D202	DIANEAL LOW Ca 1.5% 5L	DIANEAL LOW Ca 1.5% 5L
50D228	DIANEAL LOW Ca 2.5MEQ/L2L 2.5%	DIANEAL LOW Ca 2.5% 2L
50D244	DIANEAL LOW Ca 2.5% 5L	DIANEAL LOW Ca 2.5% 5L
50D252	BAXTER EXTRANEAL 2L/BAG	DIALYSIS SOL'N & 7.5%ICODextrin
50N006	BAXTER NUTRINEAL 2L/BAG	NUTRINEAL PD4 & 1.1% AMINO ACID
51P032	PAREN-AID NO:1 300CC	PAREN-AID NO:1 300CC
17B052	Primasol B0 血液過濾.透析液	CaCl <sub>2</sub> +NaHCO <sub>3</sub> +MgCl <sub>2</sub> +NaCl+LA

10.Epidural or intrathecal medications (本院無此類別藥品)		
11.Hypoglycemics, oral		
藥品代號	商品名	學名
27E052	EUGLUCON 5MG(GLIBEN)	GLIBENCLAMIDE 5MG
27G056	AMARYL 2MG (GRUMED)	GLIMEPIRIDE 2MG
27A096	Amaryl M 複方 2/500MG	GLIMEPIRIDE/METFORMIN 2/500MG
12.Inotropic medications, IV		
藥品代號	商品名	學名
14D010	DIGOXIN 0.5MG/2ML (LANOXIN)	DIGOXIN 0.5MG/2ML
14L032	Simdax (12.5mg/5ml)自費	Levosimendan(12.5mg/5ml)
14M013	PRIMACOR 10MG/10ML	MILRINONE 10MG/10ML
24D035	Digoxin (0.25mg)	Digoxin (0.25mg)
24D104	Digoxin(50mcg/ml) 60ml	Digoxin(50mcg/ml)
13.Insulin, subcutaneous and IV		
藥品代號	商品名	學名
17I170	INSULIN ACTRAPID 1000U/10ML	INSULIN ACTRAPID 1000U/10ML
17I300	NOVORAPID 300IU/3ML/F.PEN	INSULIN ASPART 300IU/3ML/F.PEN
17I299	NOVOMIX 30 300IU/3ML/F.PEN	Aspart/PROTAMINE INSULIN 300IU/3ML/F.PEN
17I265	LANTUS 300IU/3ML/PENFILL	INSULIN GLARGINE 300IU/3ML/PENFILL
17I249	INSULATARD HM 1000IU/10ML	INSULIN MONOCOMPONEN 1000IU/10ML
17I257	LEVEMIR 300IU/3ML/F.PEN	INSULIN DETEMIR 300IU/3ML
17I318	Humalog mix 50(300U)	Insulin Lispro(300U)
17I326	Toujeo(300Units/ml,1.5ml)	Insulin Glargine(450 IU/1.5mL)
17I207	Tresiba Flex Touch(300U/3mL)	Insulin Degludec(300U/3mL)
17I334	Insulin Actrapid(1000IU/V)	Insulin Actrapid(1000IU/V)
17I342	InsulatardHM(1000IU/V)	Insulin Monocomponen(1000IU/V)
17S027	Soliqua (300U/150mcg)	Insulin glargine/Lixisenatide
14.Liposomal forms of drugs (e.g., liposomal amphotericin B)		
藥品代號	商品名	學名
11A023	AMBISOME 50MG (AMBIL)	AMPHOTERICIN B LIPOSOME 50MG
15.Moderate sedation agents, IV		
藥品代號	商品名	學名
13L026	ATIVAN 2MG/ML(ANXICAM)	LORAZEPAM 2MG/ML
13M015	DORMICUM 5MG/ML(MIDATIN)	MIDAZOLAM 5MG/ML



13M023	DORMICUM 15MG/3ML	MIDAZOLAM 15MG/3ML
13V018	VALIUM 5MG/ML,2ML(DIANLIN)	DIAZEPAM 5MG/ML,2ML
13R052	Precedex(100mcg/ml,2mL/V)	Dexmedetomidine(100mcg/ml,2mL)
<b>16.Moderate sedation agents, oral, for children</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
23C210	CHLORAL HYDRATE 10%	CHLORAL HYDRATE 口服糖漿 10%
23M133	Ritalin (10mg)	Methylphenidate(10mg)
23M159	Concerta (18mg)	Methylphenidate(18mg)
23M210	Ritalin LA(20mg)	Methylphenidate(20mg)
23R043	Rohypnol (1mg)	Flunitrazepam(1mg)
<b>17.Narcotics/opioids, IV, transdermal and oral (including liquid concentrates, immediate and sustained-release formulations)</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
12A013	RAPIFEN 1MG/2ML	ALFENTANIL 1MG/2ML
12B010	MARCAINE 0.5% 5MG/ML,4ML	BUPIVACAINE 0.5% 5MG/ML,4ML
12C017	CODEINE 15MG/ML,1ML	CODEINE 15MG/ML,1ML
12D014	DEMEROL 50MG/ML,1ML	MEPERIDINE 50MG/ML,1ML
12E045	EPIMAT NO:100 100MG/10ML	MORPHINE 100MG/10ML
12F034	FENTANYL 0.05MG/ML,10ML	FENTANYL 0.05MG/ML,10ML
12F042	FENTANYL 0.1MG/2ML	FENTANYL 0.1MG/2ML
12M017	MORPHINE 10MG/ML,1ML	MORPHINE 10MG/ML,1ML
12M025	MORPHINE 20MG/ML,1ML	MORPHINE 20MG/ML,1ML
12M033	MARCAINE 5MG/ML,20ML	BUPIVACAINE 5MG/ML,20ML
12N030	NaldebainER(150mg/2ml)	Nalbuphine ER(150mg/2ml)
12R004	NAROPIN 0.75% 7.5MG/ML, 20ML	ROPIVACAINE 0.75% 7.5MG/ML, 20ML
12R028	Remifentanil ALVOGEN (2mg/V)	Remifentanil (2mg/V)
12T024	TRAMAL 100MG/2ML (LIMADOL)	TRAMADOL 100MG/2ML
22B019	TEMGESIC 0.2MG	BUPRENORPHINE 0.2MG
22C016	CODEINE 30MG	CODEINE 30MG
22M008	MST 30MG	MORPHINE 30MG
22T015	TRAMAL 50MG (CAMADOL)	TRAMADOL 50MG
22T023	TRAMAL 100mg (MUACTION)	TRAMADOL 100MG
25C052	COFSOLINE-CODEINE	COFSOLINE-CODEINE
22D022	DESUD PLUS 2/8MG	NALOXONE/BUPRENORPHINE(2/8MG)
22M040	MXL 60MG	MORPHINE(60MG)
22M058	MORPHINE 15MG	MORPHINE 15MG
22O002	OxyContin(10mg)	OxyCodone(10mg)

22O010	OxyNorm(5mg)	OxyCodone(5mg)
22F001	Painkyl (200mcg/film).口頰溶片	Fentanyl 口頰溶片(200mcg/film)
32B034	Transtec (35mcg/h)	Buprenorphine(35mcg/h)
32B042	Transtec (52.5mcg/h)	Buprenorphine(52.5mcg/h)
32F008	DUROgesic(50mcg/h)	Fentanyl(50mcg/h)
32F016	Fentanyl HPQ(25mcg/h)	Fentanyl HPQ 25mcg/h
<b>18.Neuromuscular blocking agents</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
12R012	ESMERON 50MG/5ML	ROCURONIUM 50MG/5ML
13S041	RELAXIN 500MG	SUCCINYL CHOLINE 500MG
13C065	NIMBEX 10MG/5ML	CIS-ATRACURIUM 10MG/5ML
<b>19.Parenteral nutrition preparations</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
17T119	TPN-A	TPN-A
17T127	TPN-B	TPN-B
17T135	TPN-C	TPN-C
17T143	TPN-D.	TPN-D.
17T151	TPN-E.	TPN-E.
17T169	TPN-F.	TPN-F.
17T177	TPN-G.	TPN-G.
17T185	TPN-R.	TPN-R.
17T193	TPN-H.	TPN-H.
17T204	TPN-I	TPN-I
17T212	TPN-J	TPN-J
17T238	TPN-L	TPN-L
17T270	TPN-K2	TPN-K2
17S120	SmofkabivenPI(1.45L)	SmofkabivenPI(1.45L)
17S128	SmofkabivenPI(1.9L)	SmofkabivenPI(1.9L)
17S146	TPN--Smofkabiven PI-1(1.45L)	TPN--Smofkabiven PI-1(1.45L)
<b>20.Radiocontrast agents, IV 未在名單裡</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
50R012	TC-99M MAA,MDP,PYP 1-20CI/DOSE	TC-99M MAA,MDP,PYP 1-20CI/DOSE
50R020	TC-99 HMPAO 1-30MCI/DOSE	TC-99 HMPAO 1-30MCI/DOSE
50R038	TC-99M MIBI 1-25MCI/DOSE	TC-99M MIBI 1-25MCI/DOSE
50R046	TC-99M MAG-3 1-5CMI/DOSE	TC-99M MAG-3 1-5CMI/DOSE
50R054	GA-67 INJECTION	GA-67 INJECTION

50R062	T1-201 INJECTION	T1-201 INJECTION
50R070	I-131 HIPPURANT	I-131 HIPPURANT
50R406	I-131 NP-59 ADOSTEROL 1MCI INJ	I-131 NP-59 ADOSTEROL 1MCI INJ
50R414	MIBG-131-D 1.25MCI/ML,5ML	MIBG-131-D 1.25MCI/ML,5ML
50R422	TC-99M MIBI 1-25MCI/DOSE 1-6DS	TC-99M MIBI 1-25MCI/DOSE 1-6DS
50R448	METASTRON SR-89 4MCI	METASTRON SR-89 4MCI
50R509	I-131-50MCI(TX)	I-131-50MCI(TX)
50R517	I-131 THERAPEUTIC 40MCI	I-131 THERAPEUTIC 40MCI
50U013	ULTRARIST 300	ULTRARIST 300
<b>21. Sterile water for injection, inhalation, and irrigation (excluding pour bottles) in containers of 100 mL or more</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
49D009	DISTILLED WATER 500ML 沖洗用	DISTILLED WATER 500ML 沖洗用
49D017	DISTILLED WATER 1000ML 沖洗用	DISTILLED WATER 1000ML 沖洗用
49D025	DISTILLED WATER 2000ML 沖洗用	DISTILLED WATER 2000ML 沖洗用
40D015	DISTILLED WATER 1000ML	DISTILLED WATER 1000ML
<b>22. Sodium chloride for injection, hypertonic, greater than 0.9% concentration</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
17N030	NaCl 3% 500ML	NaCl 3% 500ML

## (二) 應提高警覺之特定藥品(Specific Medications)

<b>1. EPINEPHrine, subcutaneous</b>		
<b>2. Epoprostenol (Flolan), IV</b>		
<b>3. Insulin U-500 (special emphasis)</b>		
<b>4. Magnesium sulfate injection</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
16M019	MAGNESIUM SULFATE 0.8mEq/ML	MAGNESIUM SULFATE 0.8mEq/ML
<b>5. Methotrexate, oral, non-oncologic use</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
20M010	METHOTREXATE 2.5MG (TREXAN)	METHOTREXATE 2.5MG
<b>6. Opium tincture</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
25B097	BROWN MIXTURE	GLYCYRRHIZA EXTRACT 120ML/BT
<b>7. Oxytocin, IV</b>		
<b>藥品代號</b>	<b>商品名</b>	<b>學名</b>
17C075	Duratocin(100ug/1ml/V)	Carbetocin(100ug/1ml/V)

18O019	PITOCIN, 10IU/1ML(OXOCIN)	OXYTOCIN, 10IU/1ML
8. Nitroprusside sodium for injection		
9. Potassium chloride for injection concentrate		
藥品代號	商品名	學名
16S011	Sod.Bicarbonate(70mg/ml,20ml)	Sod.Bicarbonate(70mg/ml,20ml)
17K013	KCL 15% 2mEq/ML,20ML	KCL 15% 2mEq/ML,20ML
10.Potassium phosphates injection		
藥品代號	商品名	學名
17P084	POTASSIUM PHOSPHATE 20ML	POTASSIUM PHOSPHATE 20ML
11.Promethazine, IV		
12.Vasopressin, IV or intraosseous		
13.Others		
藥品代號	商品名	學名
10B014	Simulect (20mg/V)	Basiliximab (20mg/V)
10B175	Benlysta(120mg/v)自費	Belimumab(120mg/v).
10B183	Benlysta(400mg/v)自費	Belimumab(400mg/v).
10C130	Cyclosporin(50mg/1ml)	Cyclosporin (50mg/1ml)
10G027	Copaxone(20mg).	Glatiramer Acetate(20mg)
10G035	Copaxone(40mg)	Glatiramer Acetate(40mg)
10T086	Prograf (5mg/ml) 自費	Tacrolimus(5mg/ml) 自費
11V115	Vancomycin (1000mg/V)	Vancomycin (1000mg/V)
14N060	PERDIPINE 10MG/10ML	NICARDIPINE 10MG/10ML
20C010	Neoral (25mg).	Cyclosporin(25mg)
20C028	Neoral (100mg)	Cyclosporin(100mg)
20C036	Neoral(100mg/ml,50ml)	Cyclosporin(100mg/ml,50ml)
20E064.	Certican(0.25mg)	Everolimus(0.25mg).
20M028	Cell Cept (250mg)	Mycophenolate mofetil(250mg)
20M094	Myfortic (180mg)	Mycophenolic Acid(180mg)
20S004	Rapamune (1mg)	Sirolimus nanosystem(1mg)錠
20T028	Prograf (1mg)	Tacrolimus(1mg)
20T104	Prograf(0.5mg)	Tacrolimus(0.5mg)
20T112	Advagraf (1mg)	Tacrolimus(1mg)
20T120	Advagraf(0.5mg)	Tacrolimus(0.5mg)
20T146	Advagraf( 5mg)	Tacrolimus( 5mg)