

高警訊(High-alert)藥品定義.

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）。美國 ISMP 2008 (Institute for Safe Medication Practices) 公佈高警訊藥物共有 19 類及 13 項特定品項如附表。

高警訊藥物分類/類別

Adrenergic agonists, IV (e.g., epinephrine)
Adrenergic antagonists, IV (e.g., propranolol)
Anesthetic agents, general, inhaled and IV (e.g., propofol)
Antiarrhythmics, iv (e.g. Lidocaine, amiodarone)
Antithrombotic agents, including warfarin, low-molecular-weight heparin, iv
Unfractionated heparin, factor Xa, inhibitors, direct thrombin inhibitors, thrombolytics, and glycoprotein iib/iiia inhibitors
Cardioplegic solutions
Chemotherapeutic agents, parenteral and oral
Dextrose, hypertonic, 20% or greater
Dialysis solutions, peritoneal and hemodialysis
Epidural or intrathecal medications
Hypoglycemics, oral
Inotropic medications, iv (e.g., digoxin, milrinone)
Liposomal forms of drugs (e.g., liposomal amphotericin b)
Moderate sedation agents, iv (e.g., midazolam)
Moderate sedation agents, oral, for children (e.g., chloral hydrate)
Narcotics/opiates, iv and oral (including liquid concentrates, Immediate- and sustained-release formulations)
Neuromuscular blocking agents (e.g., succinylcholine)
Radiocontrast agents, iv
Total parenteral nutrition solutions

特定品項之高警訊藥物

Colchicine injection
Epoprostenol IV
Insulin, subcutaneous and IV
Magnesium sulfate injection
Methotrexate, oral, non-oncologic use
Opium tincture
Oxytocin, iv
Nitroprusside sodium for injection
Potassium chloride for injection concentrate
Potassium phosphates injection
Promethazine
Sodium chloride injection, hypertonic (more than 0.9% concentration)
Sterile water for injection, inhalation, and irrigation in containers of 100 ml or more

本院之高警訊藥物

一、Adrenergic agonists, IV

藥品代號	商品名	學名
14D028	DOPAMIN 200MG 5ML	DOPAMIN 200MG 5ML
14D052	DOBUTREX12.5MG/ML (GENDOBU)	DOBUTAMINE 12.5MG/ML 20ML
14L016	LEVOPHED INJ.4MG /4ML	NOREPINEPHRINE .4MG /4ML
15	017	EPINEPHRINE 1MG 1ML

	ADRENALIN 1MG 1ML	
15E015	EPHEDRINE 40MG 1ML	EPHEDRINE 40MG 1ML
15I021	PROTERNOL-L 0.2MG 1ML	ISOPROTERINOL 0.2MG 1ML

二、Anesthetic agents, general, inhaled and IV

藥品代號	商品名	學名
13P032	PENTOTHAL 2.5GM	THIOPENTEL 2.5GM
12P018	PROPO	OL 200MG/20ML(FRESOFOL)) PROPOFOL 200MG/20ML
12K005	KETOMIN INJ 50MG/ML 10ML/V	KETAMIN INJ 50MG/ML 10ML/V
32D004	SUPRANE	DESFLURANE
32I017	AERRANE	ISOFLURANE
32S009	ULTANE	SEVOFLURANE

三、Chemotherapeutic agents, parenteral and oral

藥品代號	商品名	學名
20	016 ALKERAN 2MG	MELPHALAN 2MG
20B021	MYLERAN 2mg	BUSULFAN 2mg
20C044	XELODA 500MG	CAPECITABINE 500MG
20C052	LEUKERAN F.C.TAB 2MG	CHLORAMBUCIL F.C.TAB 2MG

20E014	ENDOXAN 50MG	CYC
20E022OP HOSHAMI DE 50MG	VEPESID 50MG	ETOPOSIDE 50MG
20H015	HYDREA 500mg	HYDROXYUREA 500mg
20I020	IMURAN 50MG(AZAPRESS)	AZATHIOPRINE 50MG
20M010	METHOTREXATE 2.5MG (TREXAN)	METHOTREXATE 2.5MG
20M060	6-MP 50MG (PURI-NETHOL)	MERCAPTOPURINE 50MG
20M078	LYSODREN 500MG/TAB.	MITOTANE 500MG/TAB
20T051	UFUR	TEGAFUR 100MG+URACIL 224MG
20T069	TEMODAL 100MG	TEMOZOLOMIDE 100MG
20T085	TEMODAL 20MG	TEMOZOLOMIDE 20MG
20T093	TS-1 CAP	TEGAFUR&GIMERACIL&OTERACIL
20V021	NAVELBINE 20MG/SOFT CAP	VINORELBINE TARTRATE 20MG
10A075	ASADIN INJ . 10MG/10ML	ARSENIC TRIOXIDE INJ.10MG/10ML
10A102	VIDAZA 100MG/V	AZACITIDINE 100MG/V
10B022	IMMUCYST BCG 81MG	IMMUCYST BCG 81MG
10B064	BLEOCIN 15MG	BLEOMYCIN 15MG
10B098	BUSULFEX INJ. 60MG/10ML	BUSULFAN INJ. 60MG/10ML
10B109	VELCADE 3.5MG/V	BORTEZOMIB 3.5MG/V
10C053	PARAPLATIN 450MG	CARBOPLATIN 450MG 10MG/ML
10C087	CYTARABINE 500MG/5ML INJ	CYTARABINE 500MG/5ML INJ
10C095	CYTOSAR-U 100MG(CYTOSAR)	CYTARABINE 100MG
10C164	ENDOXAN 200mg	CYCLOPHOSPHAM. 200mg
10C172	PLATINEX INJ 0.5MG/ML,100ML	CISPLATIN INJ 0.5MG/ML,100ML
10D018	DACARBAZINE 200MG INJ	DACARBAZINE 200MG

10D076	TAXOTERE 20MG/0.5ML	DOCETAXEL 20MG/0.5ML
10D084	ADRIPLASTINA 10MG	DOXORUBICIN HCL 10MG
10D092	LIPODOX LIPOSOME 20MG/10ML	Liposome DOXORUBICIN 20MG
10D103	COSMEGEN 0.5MG/V	DACTINOMYCIN 0.5MG/V
10E049	VEPESID 100mg /5ML(LASTET)	ETOPOSIDE 100mg /5ML
10E065	PHARMORUBICIN 10MG INJ	EPIRUBICIN HCL 10MG
10E099	PHARMORUBICIN(50MG) INJ.	EPIRUBICIN HCL 50MG
10F012	5-FU 250MG 5ML	5-FLUOROURACIL 250MG 5ML
10F054	FLUDARA IV INJ 50MG	FLUDARABINE IV INJ 50MG
10G019	GEMZAR 200MG	GEMCITABINE HCL 200MG
10I013	HOLOXAN 2GM	IFOSFAMIDE 2GM
10I063	ZAVEDOS 5mg	IDARUBICIN 5mg
10I097	CAMPTO 100MG(CPT-11)	IRINOTECAN HCL 20MG/ML 5ML
10M029	METHOTREXATE(ABITRE) 50MG/2ML	METHOTREXATE 25MG/CC 2ML

四、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(VITAGEN50%)	DEXTROSE 50% 20ML
17G081	GLUCOSE 50% 500ML	DEXTROSE 50% 50

ML

五、Glycoprotein IIb/IIIa inhibitors

藥品代號	商品名	學名
14T054	AGGRASTAT 0.25MG/ML 50ML	TIROFIBAN 0.25MG/ML 50ML

六、Hypoglycemics, oral

藥品代號	商品名	學名
27A054	GLUCOBAY 50MG	ACARBOSE 50MG
27E052	EUGLUCON 5MG(GLIBEN)	GLIBENCLAMIDE 5MG
27G022	GLUCOPHAGE 500MG	LODITON) METFORMIN 500MG
27P091	ACTOS TAB. 30MG	PIOGLITAZONE TAB. 30MG
27R045	NOVONORM 1MG	REPAGLINIDE 1MG
27R053	AVANDIA F.C 4MG	ROSIGLITAZONE MALEATE 4MG
27S068	JANUVIA (100MG) F.C.TAB	SITAGLIPTIN (100MG) F.C.TAB.

七、Inotropic medications, IV

藥品代號	商品名	學名
14D010	DIGOSIN INJ. 0.5MG/2ML (LANOX)	DIGOXIN 0.5MG/2ML
14M013	PRIMACOR IV 10MG/10ML	MILRINONE 10MG/10ML

八、Moderate sedation agents, IV

藥品代號	商品名	學名
13L026	ATIVAN INJ. 2MG/ML(ANXICAM)	LORAZEPAM 2MG/ML
13M015	DORMICUM 5MG/ML(MIDATIN)	MIDAZOLAM 5
13M023G/ ML	DORMICUM 15MG/3CC	MIDAZOLAM 15MG/3CC
13V018	VALIUM 5MG/ML 2ML	DIAZEPAM 5MG/ML 2ML

九、Moderate sedation agents, oral, for children

藥品代號	商品名	學名
43C012	CHLORAL HYDRATE	CHLORAL HYDRATE

十、Narcotics/opiates, IV and oral (including liquid concentrates, immediate and sustained-release)

藥品代號	商品名	學名
12A013	ALFENTANIL 0.5MG/2ML	ALFENTANIL 0.5MG/2ML
12B010	MARCAINE 0.5% 5MG/ML 4ML	BUPIVACAINE 0.5% 5MG/ML 4ML
12C017	CODEINAE 15M	CODEINE 15MG/ML 1ML
12D014	DEMEROL 50MG/ML 1ML	PETHIDINE 50MG/ML 1ML
12E045	EPIMAT NO:100 100MG/10CC	EPIMAT NO:100 100MG/10CC
12F034	FENTANYL INJ 0.05MG/ML 10ML	FENTANYL 0.05MG/ML 10ML
12F042	FENTANYL 0.1MG/2ML	FENTANYL 0.1MG/2ML
12L028	CHIROCAINE 5MG/ML,10ML/A	LEVOBUPIVACAINE 5MG/ML,10ML/A
12M017	MORPHINAE 10MG/ML 1ML	MORPHINE 10MG/ML 1ML
12M025	MORPHINAE 20MG/ML 1ML	MORPHINE 20MG/ML 1ML
12M033	MARCAINE 5MG/ML 20ML	BUPIVACAINE 5MG/ML 20ML
12T016	TETOCAINE INJ 20MG	TETOCAINE INJ 20MG
12T024	TRAMAL INJ 100MG / 2M	TRAMADOL INJ 100MG/2ML
12X014	XYLOCAINE(局麻)1%, 5ML/A	XYLOCAINE(局麻)1%, 5ML/A
12X022	XYLOCAINE 2%, 20ML/V	XYLOCAINE 2%, 20ML/V
12X048	LIDOCAINE(局麻)4%, 30ML	LIDOCAINE(局麻)4%, 30ML
22B019	TEMGESIC (0.2MG) 舌下錠	BUPRENORPHINE (0.2MG) 舌下錠
22C016	CODEINE 30MG	CODEINE 30MG
22M008	MST CONTINUOUS TAB. 30MG	MST CONTINUOUS TAB. 30MG
22M016	MORPHINE 10MG	MORPHINE 10MG
22T015	TRAMAL CAP.50MG(CAMADOL)	TRAMADOL HCL CAPSULE 50MG
22T023	TRAMAL RETARD 100MG	TRAMADOL RETARD 100MG

十一、Neuromuscular blocking agents

藥品代號	商品名	學名
12R012	ESMERON 50MG/5ML	ROCURONIUM Br 50MG/5ML
13S041	RELAXIN 500MG 25ML	SUCCINYL CHOLINE 500MG 25ML
13T014	TRACRIUM (GENSO)25MG/2.5ML	ATRACURIUM BESYLATE 25MG/2.5ML
13P016	PAVULON (PANCURONIUM) 4MG / 2ML	PANCURONIUM Br 4MG /2ML

十二、Thrombolytics/fibrinolytics, IV

藥品代號	商品名	學名
14A051	ACTILYSE 50MG	GAMMA-TPA 50MG
14U035	UROKINASE 250KIU	UROKINASE 250KIU

十三、Cardioplegic solutions

藥品代號	商品名	學名
14P030	PLEGISOL 1000 ML	PLEGISOL 1000 ML

十四、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 STAY-SAFE 4.25% 2.5L	CAPD 3 STAY-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-SAFE 2.3% 2.5L	CAPD4 STAY-SAFE 2.3% 2.5L
50C128	CVVH SOLUTION A 3L/BAG	NaCl+CaCl 2H2O+MgCl2 6H2O2
50D022	DIANEAL 1.5% 1L	DIANEAL 1.5% 1L
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	DIANEAL 1.5% 5L
50D080	DIANEAL 2.5% 1L	DIANEAL 2.5% 1L
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
50D133	DIANEAL 4.25% 1L	DIANEAL 4.25% 1L
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

十五、Radiocontrast agents, IV

藥品代號	商品名	學名
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	Tl-201 INJECTION	Tl-201 INJECTION
50R070	I-131 HIPURANT	I-131 HIPURANT
50R406	I-131 NP-59 ADOSTEROL 1MCI INJ	I-131 NP-59 ADOSTEROL 1MCI INJ
50R414	MIBG-131-D 5ML(1.25MCI/ML)/VIA	MIBG-131-D 5ML(1.25MCI/ML)/VIA
50R422	TC-99M MIBI 1-25MCI/DOSE 1-6DS	TC-99M MIBI 1-25MCI/DOSE 1-6DS
50R448	METASTRON SR-89 4MCI V	METASTRON SR-89 4MCI V
50R509	I-131-50MCI(TX)	I-131-50MCI(TX)
50R517	I-131 THERAPEUTIC 40MCI CAP.	I-131 THERAPEUTIC 40MCI CAP.

50U013	ULTRARIST 300	ULTRARIST 300
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十六、Total parenteral nutrition solutions

藥品代號	商品名	學名
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(7.5%G/W+ 1.5% AA)	TPN-I(7.5%G/W + 1.5% AA)
17T212	TPN-J(10%G/W+ 1.5%AA)	TPN-J(10%G/W+ 1.5%AA)
17T220	TPN-K(10%G/W+2.0%AA)	TPN-K(10%G/W+2.0%AA)
17T238	TPN-L(20%G/W+2.5%AA)	TPN-L(20%G/W+2.5%AA)

十七、Adrenergic antagonists, IV

藥品代號	商品名	學名
14A019	ADENOCOR INJ. 6MG/2ML	ADENOSINE INJ 6MG/2ML
14D044	HERBESSER INJ. 10MG	DILTIAZEM 10MG
14E017	BREVILOC INJ 10MG/ML 10ML/V	ESMOLOL 10MG/ML 10ML
14I031	ISOPTIN INJ. 5MG 2ML (VERPAMIN)	VERAPAMIL 5MG/2ML/A
14N052	NIMOTOP 0.02% W/V 50ML	NIMODIPINE 0.02% W/V 50ML
14T020	TRANDATE 5MG/ML 5ML	LABETALOL 5MG/ML 5ML

十八、Liposomal forms of drugs (e.g., liposomal amphotericin B)

藥品代號	商品名	學名
11A023	AMBISOME INJ 50MG	AMPHOTERICIN B LIPOSOME 50MG

十九、特定品項之高警訊藥品

藥品代號	商品名	學名
14C047	CORDARONE INJ. 150MG 3ML	AMIODARONE HCL150MG 3ML
14D078	FRAGMIN 5KIU/0.2ML	DALTEPARIN Na 5KIU/0.2ML
14H018	HEPARIN 5000U/ML(AGGLUTEX)	HEPARIN 5KU/ML 25KU/V
14H034	AGGLUTEX(25KU/V)	HEPARIN(25KU/V)
17I154	INSULIN MIXTARD 30HM 100IU/cc	INSULIN MIXTARD 30HM 100IU/cc
17I257	LEVEMIR FLEX PEN 300 IU/3ML	INSULIN DETEMIR 300 IU/3ML
17I170	INSULIN ACTRAPID HM 1000U/10CC	INSULIN ACTRAPID HM 1000U/10CC
17I196	INSULATARD HM PENFILL 300IU	INSULIN MONOCOMPONEN 300IU
17I215	NOVORAPID 300IU/3ML/PENFILL	INSULIN ASPART 300IU/3ML/PENFI
17I223	NOVOMIX 30 PENFILL 300IU/3ML	BIPHASIC INSULIN ASPART 300IU
17I231	LANTUS 100 IU/ML,10ML/V	INSULIN GLARGINE 100 IU/ML,10M
17I249	INSULATARD HM 1000 IU/10ML	INSULIN MONOCOMPONEN
12L010	LIDOCAINE 2%(XYLOCAINE) IV 5ML	LIDOCAINE 2% 100MG/5ML IV
16M019	MAGNESIUM SULFATE 0.8mEq/ML	MAGNESIUM SULFATE 0.8mEq/ML
20M010	METHOTREXATE 2.5MG	METHOTREXATE 2.5MG

14N060	PERDIPINE(10MG/10ML/A) INJ.	NICARDIPINE(10MG/10ML/A) INJ.
17K013	KCL 2mEq/CC 20ML 15%	KCL 2mEq/ML 20ML 15%
17P084	POTASSIUM PHOSPHATE 20ML	POTASSIUM PHOSPHATE 20ML
17N030	NaCl 3% SOL"N 500ML	NaCl 3% SOL"N 500ML
24W012	COUMADIN TAB 5MG	WARFARIN SOD. TAB 5MG