FDA and ISMP Lists of

Look-Alike Drug Name Sets With Recommended Tall Man Letters

he sets of look-alike drug names in the Tables below have been modified using "tall man" letters to help draw attention to the dissimilarities in their names. Several studies have shown that highlighting sections of drug names using tall man (mixed case) letters can help distinguish similar drug names, making them less prone to mix-ups. 2-3 ISMP, FDA, The Joint Commission, and other safety-conscious organizations have promoted the use of tall man letters as one means of reducing confusion between similar drug names.

Table 1 provides a list of FDA-approved established drug name sets with recommended tall man letters, which were first identified during the FDA Name Differentiation Project (www.fda.gov/CDER/Drug/MedErrors/nameDiff.htm).

Table 2 provides a list of additional drug name sets with recommendations from ISMP regarding the use and placement of tall man letters. This is not an official list approved by FDA. It is intended for voluntary use by healthcare practitioners and drug information vendors. Any product label changes by manufacturers require FDA approval.

Table 1. FDA-Approved List of Established Drug Names with Tall Man Letters	
acetoHEXAMIDE - acetaZOLAMIDE	hydr ALAZINE – hydr OXY zine
buPROPion - busPIRone	medroxyPROGESTERone methylPREDNISolone methylTESTOSTERone
chlorproMAZINE - chlorproPAMIDE	
clomiPHENE - clomiPRAMINE	
cycloSPORINE - cycloSERINE	niCARdipine – NIFEdipine
DAUNOrubicin - DOXOrubicin	predniSONE – prednisoLONE
dimenhyDRINATE – diphenhydrAMINE	sulf adiazine – sulfi soxazole
DOBUTamine - DOPamine	TOLAZamide - TOLBUTamide
glipiZIDE – glyBURIDE	vin BLAS tine – vin CRIS tine

References: 1) Filik R, Purdy K, Gale A, Gerrett D. Drug name confusion: evaluating the effectiveness of capital ("Tall Man") letters using eye movement data. Social Science & Medicine 2004;59(12):2597-2601. 2) Filik R, Purdy K, Gale A, Gerrett D. Labeling of medicines and patient safety: evaluating methods of reducing drug name confusion. Human Factors 2006;48(1):39-47. 3) Grasha A. Cognitive systems perspective on human performance in the pharmacy: implications for accuracy, effectiveness, and job satisfaction. Alexandria (VA): NACDS; 2000 Report No. 062100.

One of the difficulties with the use of tall man letters is the lack of scientific evidence regarding which name pairs would most benefit from this error-reduction strategy as well as which letters to present in uppercase. Until further evidence is available, ISMP suggests that the tall man lettering scheme provided in these Tables be followed to promote consistency.

Table 2. ISMP List of Additional Drug Names with Tall Man Letters	
ALPRAZolam - LORazepam	metroNIDAZOLE - metFORMIN
amLODIPine - aMILoride	morphine - HYDROmorphone
azaCITIDine – azaTHIOprine	NexIUM*- NexAVAR*
ceFAZolin - cefTRIAXone	ni MOD ipine – NIFE dipine
CeleBREX* - CeleXA*	NovoLOG* - NovoLIN*
chlorproMAZINE - chlordiazePOXIDE	OXcarbazepine – carBAMazepine
CISplatin - CARBOplatin	oxyCODONE - OxyCONTIN*
clonaze PAM – clo NID ine	PARoxetine - FLUoxetine
clonaze PAM - LOR azepam	PENTobarbital – PHENobarbital
cloNIDine - KlonoPIN*	PriLOSEC* - PROzac*
DACTINomycin - DAPTOmycin	QUEtiapine – OLANZapine
ePHEDrine - EPINEPHrine	quiNINE – quiNIDine
fenta NYL - SUF entanil	ri TUX imab in FLIX imab
FLUoxetine - DULoxetine	SandIMMUNE* - SandoSTATIN*
guan FACINE – guai FEN esin	SEROquel* - SINEquan*
Huma lOG* - Humu LIN*	Solu-MEDROL* - Solu-CORTEF*
HYDROcodone - oxyCODONE	SUMAtriptan – sitaGLIPtin
IDArubicin - DOXOrubicin	tiZANidine - tiaGABine
INVanz* – AVINza*	tra ZOD one - tra MAD ol
LaMICtal* - LamISIL*	TRENtal – TEGretol*
lami VU D ine – lamo TRI gine	Zy PREXA * – Zyr TEC *

^{*} Brand names always start with an uppercase letter. Some brand names incorporate tall man letters in initial characters and may not be readily recognized as brand names. An asterisk follows all brand names in Table 2.

