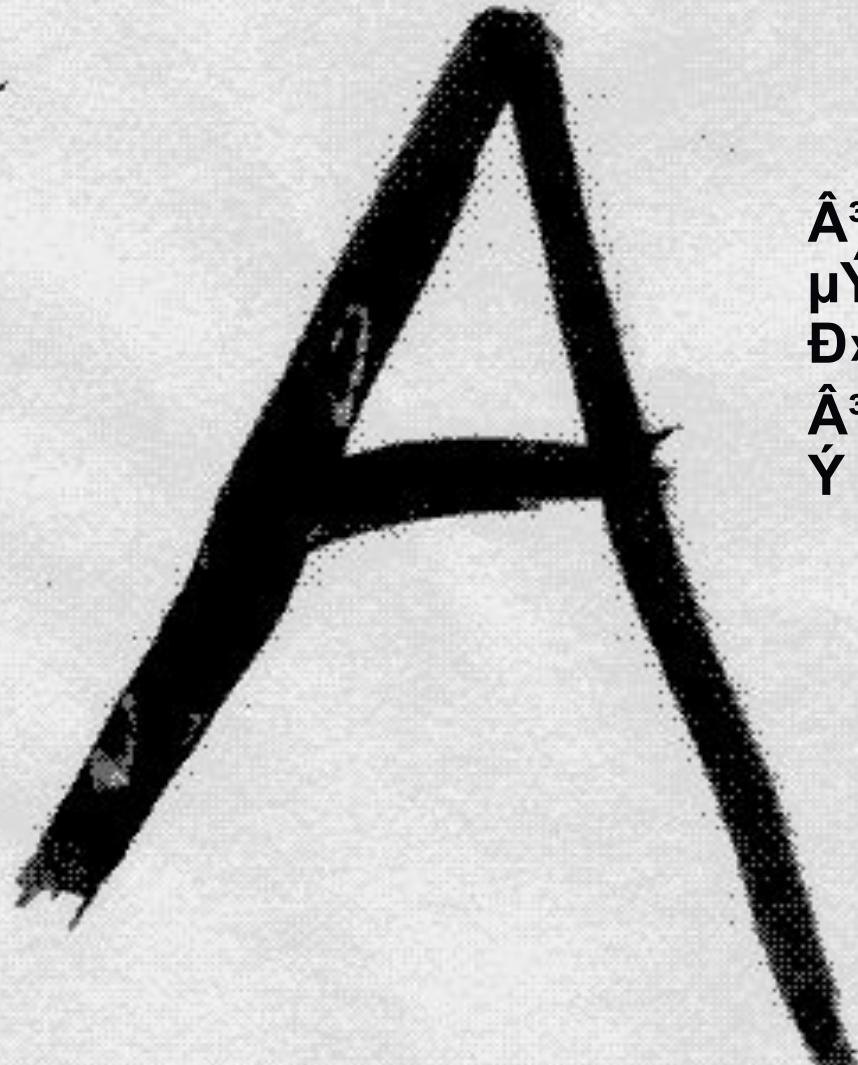


²ÜÐºÎ²Ò¶ºÈÆ ú¶ÜàôÂÚ²Ü
ºÔ²ØÆæàòÜºð



Â³ñ·Ù³Ýí³í ï ³Ý·É»ñ»Ý
µÝ³·ñÇó:
Ð»ÕÇÝ³í Ø³ñÇ³ÝÝ Ð»ëë
Â³ñ·Ù³ÝÇã .. ËÙµ³·Çñ` î³ñ»
Ý Ê³ãÇÛ³Ý

Ü»ñ³ÍáõÃÛáõÝ

- ²ÝÑ»³Ó·»ÉÇ û·ÝáõÄÛ³Ý ¹»Õ³ÙÇçáóÝ»ñÇ Ýß³Ý³ïÙ³Ý ùÝÝ³ñïláõÙ
 - , »Õ³ÙÇçáóÝ»ñÇ ¹»Õ³ã³÷»ñÇ ×ß·ñÇï Ñ³ßí³ñï
 - , »Õ³ÙÇçáóÝ»ñÇ ïÇñ³éÙ³Ý ëË³ÉÝ»ñÇ ³ÝË³ñ·»ÉÙ³Ý Ù»Ãá¹Ý»ñÇ ùÝÝ³ñïláõÙ.
 - Ð³Ù³ï³ñ·³ÛÇÝ` åÇï³íáñáõÙ, ïáÙáõÝÇï³óÇ³, µ³Ý³íáñ Ññ³Ñ³Ý·³íáñáõÙ, Ñ³ã³íáõÙÝ»ñ
 - êË³ÉÝ»ñÇ 40%-Á å³ÛÙ³Ý³íáñí³ ï §Ù³ñ¹ï³ÛÇÝ ·áñíáÝáí!: þ»ÕáõÙÝ»ñ ·áñíáõÝ» áõÄÛ³Ý ÁÝ¹áõÝ³í ù³Õ³ù³ï³ÝáõÄÛáõÝÇó, ¹»Õ³ÙÇçáóÇ å³ï³ëïÙ³Ý ëË³É, ·ñ³éÙ³Ý/³ñ³·ñÙ³Ý ëË³É, Ñá·Ý³íáõÄÛáõÝ, ³ÛÉ µÝáõÛÃÇ
 - êË³ÉÝ»ñÇ ¹Çï³ñïÙ³Ùµ Ñ³ÛíÝ³µ»ñí»É ï, áñ ¹ñ³Ýó 25%-Ç å³ï×³éÁ ·Çï»ÉÇùÇ " ï³í³ñáÖ³ï³ÝáõÄÛ³Ý áõÝ³íáõÄÛ³Ý å³ï³ëÝ ï
 - Ü/» ¹»Õ³ÝÛáõÃ»ñÇ µáÉáñ íáåñ³ÍÝ»ñÇ íñ³ å»ïù ï Ýß³Í ÉÇÝ»Ý µ³Õ³ñÇäÝ»ñÇ ³Ý³ÝáõÙÝ»ñÁ, ù³Ý³ÍÝ»ñÁ, ËíáõÄÛáõÝÝ»ñÁ, ÉáõíáõÛÃÝ»ñÇ å³ï³ëïÙ³Ý ³Ùë³ÃÇíÁ " Å³ÙÁ, å³ï³ëïáÖÇ ³ÝáõÝÁ
 - úñÇÝ³Í` **Noradrenaline** 4mg /250ml D5W; 01.09.2010; 11:30; î.È.
 - íáåñ³ÍÝ»ñÇ ¹»Õ³ÝÛáõÃ»ñÁ å»ïù ï û·í³·áñíí»Ý 24 Å³Ùí³ ÁÝÃ³óùáõÙ
 - Ü»ñ³ñïÙ³Ý ËáÖáí³ÍÝ»ñÁ, Ñ³Ù³ï³ñ·»ñÁ å»ïù ï áõÝ»Ý³Ý ÝßáõÙ, Ä» »ñµ »Ý µ³óí»É áõ ·áñí³ñíí»É (³ÛÉ áä Ä», »ñµ å»ïù ï ÷áËí»Ý)





»Ó³ã³÷»ñÇ Ñ³ÞÍ³ñÍÝ»ñ



ĐÆPºÒàôØ...

àõß³¹Çñ
Ý³Û»É, Ç±Ýã ¿ Ýß³Ý³Í³Í

• '3Ý3Ó..Á.

- »Ó³ÝÛáõÃÇ Ù.-.Ý»ñÁ μ³Å³Ý»É īáåñ³ÏÇ ÉáõÍÇãÇ ÁÝ¹Ñ³Ýáõñ ÙÉ-»ñÇ íñ³
- ²Ûë ÄÇíÁ μ³Å³Ý»É 1000-áí
 - 1000ÙÏ· 1Ù.-.áõÙ
- ²Ûë ÄÇíÁ μ³Å³Ý»É ÑÇí³Ý¹Ç ÏßéÇ (Ï·) íñ³
- ²Ûë ÄÇíÁ μ³Å³Ý»É 60-Ç
 - 60 ñáå» 1 Å³ÙáõÙ
- ²ÛÅÙ 1áõù áõÝ»ù ï³ÄáóÇÏÇ ßï³Ë³ñ¹³ï³Ý| ï³Ù Ñ³ëi³íáõÝ ÄÇíÁ, áñÁ óáõÛó ¿ ï³ÉÇë ÙÏ·/Ï·/ñáå»/ÙÉ Ñ³ñ³μ»ñáõÃÛ³Ý ÙÇ³íáñ (Ý»ñ)Á
- °Ã» ó³Ýï³ÝáõÙ »ù áñáß»É Ý»ñ³ñÏÙ³Ý Ñ³×³ËáõÃÛáõÝÁ (ÙÉ/Å³Ù), ³å³ û·i³·áñÍ»ù Ýß³Ý³í³í¹»Ó³ã³÷Á μ³Å³Ý³í Ñ³ëi³íáõÝ ÁíÇ íñ³
- °Ã» ó³Ýï³ÝáõÙ »ù áñáß»É ¹»Ó³ã³÷Á (ÙÏ·/Ï·/ñáå»), ³å³ Ý» ñ³ñÏÙ³Ý Ñ³×³ËáõÃÛáõÝÁ μ³Å³Ý»ù Ñ³ëi³íáõÝ Äíái



Üİ·İ·/ñáå» °Ô²â²öàì îðìàÔ °Ô²ÜÚàôÂ°ðÆ ÈàôìàôÚÂÜ°ðÆ ä²îð²êîØ²Ü î²ð¶À

»Ö³ÝÛáõÃ»ñC ËïáõÃÛáõÝÁ ëñí³läõÙ

DOPAMINE 40 İ³Ù 80 Ù·/ÙÉ

DOBUTAMINE 12,5 Ù·/ÙÉ

NIPRIDE 25 Ù·/ÙÉ

EPINEPHRINE 1,8 Ù·/ÙÉ

Ð³Þí³ñïÇ Ñ³Ù³ñ ³ÝÑñ³Å»ßi ç ÇÙ³Ý³É.

ÑÇf³Ý¹Ç ù³ÞÁª İ·;

B.Ýß³Ý³İ³Í¹»

Ö³ä³÷Áª Üİ·İ·/ñáå»; C.Ýß³Ý³İ³Í³ÙÉÁ, a ÙÉ/Å³Ù;

D.Ý»ñ³ñïÇäÇ İ³Ù íáåñ³İÇ İ³İ³ÉÁª ÙÉ; E.¹»

Ö³ÝÛáõÃÇ íáÝó»Ýiñ³öÇ³Ýª Ù·/ÙÉ

A.

$$A \times B \times 60 (\text{ñáå»}/\text{Å}^3\text{Ù}) : C : 1000 (\text{Ùİ·}/\text{Ù·}) \times D : E$$

àñå»ë ÉáõÍÇä û·ï³·áñlíáÖ Ñ»ÖáõÇ í³í³ÉÁ
áñáß»Éáõ Ñ³Ù³ñ Ý»ñ³ñïÇäÇ İ³Ù íáåñ³İÇ
í³í³ÉÇó Ñ³ÝáõÙ »Ý ¹»Ö³ÝÛáõÃÇ ù³Ý³ÍÁ

³ÙÝáõÙ»í·

¹»Ö³ÝÛáõÃÇ ù³Ý³ÍÁ (ÙÉ),
áñÁ å»iù ç áñáßí³Í í³í³Éáí
ÉáõÍáõÛÃ å³iñ³ëi»Éáõ
Ñ³Ù³ñ

ÀÜ, àôÜi²ì êî¹/₄ àôÜøÜºð

1. Üáñ³Ý³ÛÇÝ ³Ö Ù³Ý³İ³Ý Ñ³ë³İÇ ÑÇí³Ý¹Ý»ñCÝ, áñå»ë İ³ÝáÝ ÙÇÝä 10-12 İ· Ù³Þ áðÝ»óáÖÝ»ñCÝ (³ÛëáõÙ»í·a »ñ»Ë³Ý»

ñ) Ý»ñ³ñlíáÖ Ñ»ÖáõÇ ù³Ý³ÍÁ å³í³ë»óÝ»Éáõ Ýå³İ³láí ÉáõÍáõÛÃÝ»ñÝ³ÍÉÇ EÇi »Ý å³íñ³ëiíáõÙ

2. **Dopamine-C** Ñ³Ù³ñ ëáíáñ³μ³ñ ßù³ÛÉ|-¹»Ö³ä³÷ Ñ³ñ³μ»ñáõÃÛáõÝÁ Ñ»í·Û³ÉÝ ç.

3) »ñ»Ë³Ý»ñ a 1 ÙÉ/Å³Ù = 10 Ùİ·/İ·/ñáå»; μ) áã»»ñ»Ë³Ý»ñ, Ù»í³ñ³ë³Ý»ñ a 1 ÙÉ/Å³Ù = 5 Ùİ·/İ·/ñáå»

3. **Niprid-C** Ñ³Ù³ñ ëáíáñ³μ³ñ ßù³ÛÉ|-¹»Ö³ä³÷ Ñ³ñ³μ»ñáõÃÛáõÝÁ Ñ»í·Û³ÉÝ ç.

3) »ñ»

Ë³Ý»ñ a 1 ÙÉ/Å³Ù = 2 Ùİ·/İ·/ñáå»; μ) áã»»ñ»Ë³Ý»ñ, Ù»í³ñ³ë³Ý»ñ a 1 ÙÉ/Å³Ù = 1 Ùİ·/İ·/ñáå»

4. **Epinephrine-C** Ñ³Ù³ñ ëáíáñ³μ³ñ ßù³ÛÉ|-¹»Ö³ä³÷ Ñ³ñ³μ»ñáõÃÛáõÝÁ Ñ»í·Û³ÉÝ ç.

3) »

ñ»Ë³Ý»ñ a 1 ÙÉ/Å³Ù = 0,1 Ùİ·/İ·/ñáå»; μ) áã»»ñ»Ë³Ý»ñ, Ù»í³ñ³ë³Ý»ñ a 1 ÙÉ/Å³Ù = 0,01 Ùİ·/İ·/ñáå»

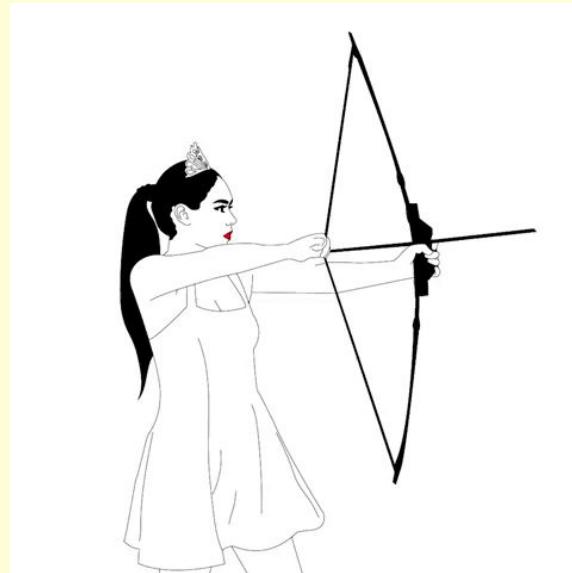
5. àñå»ë ÉáõÍÇä ëáíáñ³μ³ñ İÇñ³éíáõÙ ç ¹»ùëñá½³ÛÇ 5%-³Ýáó ÉáõÍáõÛÃÁ:

‘³Ý³Ó^{..}Á (Þ³ñáõÝ³íáõÃÛáõÝ)

- àñáÞ ¹» Õ³ÝÛáõÃ» ñÇ ¹» Õ³ã³÷» ñ
Ñ³ÞííáõÙ » Ý ÙÍ·/ñáå»-áí: ²Û¹ ¹» åùáõÙ
μ³ó ÃáÕ»ù μ³Å³ÝáõÙÁ ÑÇí³Ý¹Ç ïßÇéÝ
³ñí³Ñ³ÛíáÕ ÃíÇÝ:
- ĐÆÞºòàôØ... àõÞ³¹Çñ Ý³Û»ù ÇÝã ¿
ÝÞ³Ý³íí³í .. Ñ»í»ù Ññ³Ñ³Ý·Ý»ñÇÝ` ×ÇÞí
å³í³ëË³ÝÁ ëí³Ý³Éáõ Ñ³Û³ñ:



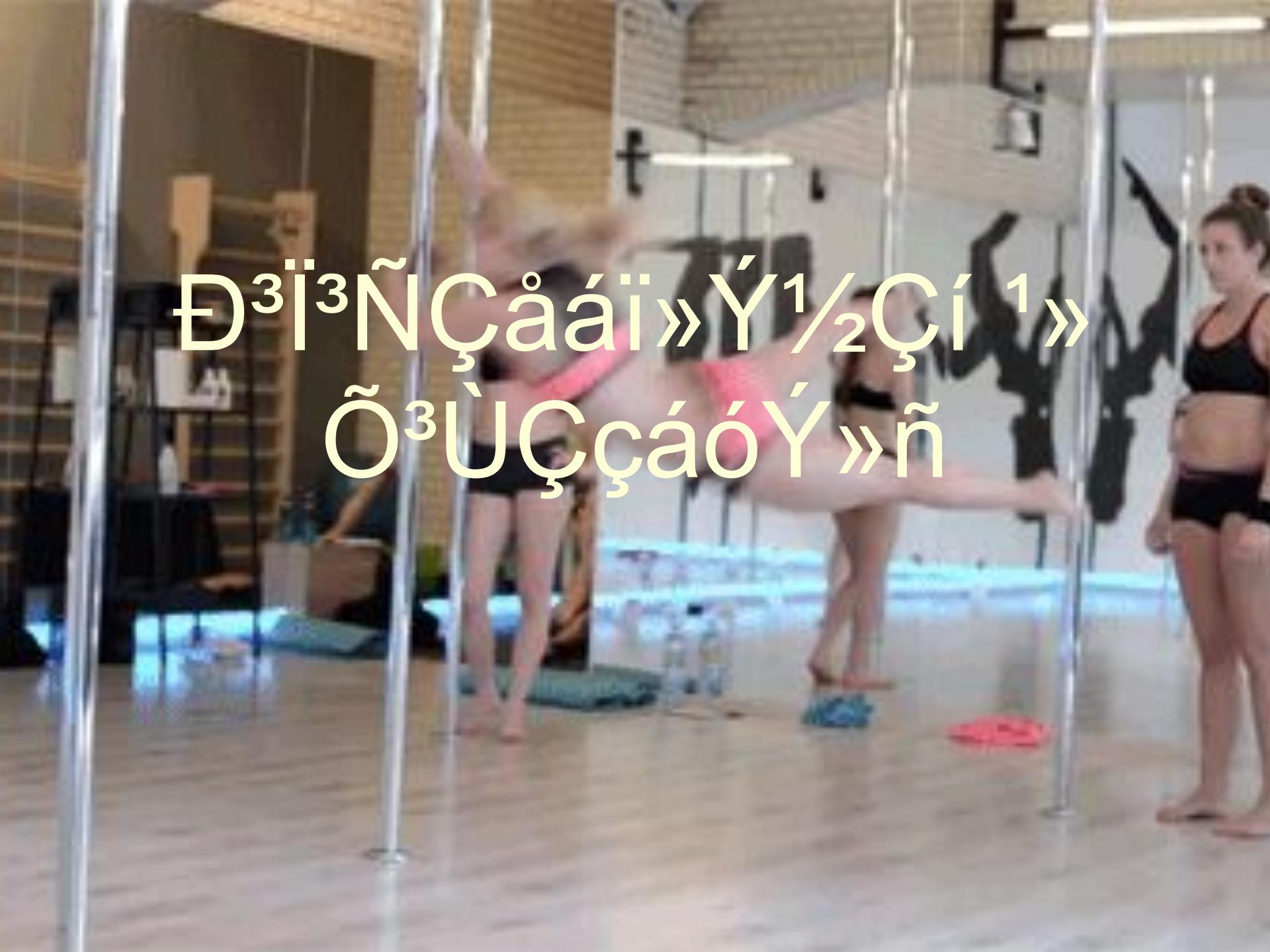
êÇñi-³ÝáÃ³ÛÇÝ ¹»Ö³ÙÇçáóÝ»ñÇ
ïÇñ³éÙ³Ý ¹»åùáõÙ û·i³·áñlíáÖ i»
ñÙÇÝÝ»ñ



Í»ñÙÇÝ³µ³ÝáõÃÛáõÝ

- **ÆÝáïñáå – Ù»í³óÝáõÙ** ḡ áõÅÁ
- **ÊñáÝáïñáå - ³í»É³óÝáõÙ** ḡ ³ñ³×³ËáõÃÛáõÝÁ
- **⁰íµ»éÝáõÙ** (Afterload) - ¹ÇÙ³¹ñáõÃÛáõÝ Ó³Ë ÷áñáùÇ (Òö) ÙÕÙ³ÝÁ
- **Ü³Ë³µ»éÝáõÙ** (Preload) - ¹Ç³ëïáÉ³ÛÇ í»ñçáõÙ ³ñÛ³Ý Í³í³ÉÁ Òö-áõÙ
- **êñïÇ ñáå»³í³Ý Í³í³É` êðì** (Cardiac output) – ëÇëïáÉÇÍ Í³í³ÉÁ (êì)
 $\mu^{31/2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ ñáå»³í³Ý ëñïÇ $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ ñç Áíáí Ù»í ñáå»áõÙ ($\frac{1}{4} \text{ A}$)
- **²íïáÝáÙ ÝÛ³ñ¹³ÛÇÝ Ñ³Ù³í³ñ** - ` ëÇÙå³íÇÍ .. å³ñ³ëÇÙå³íÇÍ
 - **²Éý³-é»ó»åïáñÝ»ñ - ³ÝáÃ³ë»ÕÙáõÙ**
 - **’»í³-é»ó»åïáñÝ»ñ.**
 - **’»í³ 1 – ÇÝáïñáå .. ËñáÝáïñáå**
 - **’»í³ 2 - ³ÝáÃÝ»ñÇ Ñ³ñÃ Ùí³ÝÝ»ñÇ ÁáõÉ³óáõÙ` ³ÝáÃÝ»ñÇ
É³ÛÝ³óáõÙ .. ·ÉÇÍá·»ÝáÉÇ½ (·ÉÇÍá·»ÝÇ ïñáÑáõÙÁ
·ÉÛáõÍá½ÛÇ)**
 - **’áå³ÙÇÝ ïñ·ÇÍ é»ó»åïáñÝ»ñ - »ñÇÍ³Ù³ÛÇÝ .. ÙÇçÁÝ¹»ñ³ÛÇÝ
 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ ñç Ý»ñÇ É³ÛÝ³óáõÙ**
 - **²·áÝÇëí – ËÃ³ÝáõÙ** ḡ ·áñÍáÖáõÃÛáõÝÁ
 - **²Ýí³·áÝÇëí – ÁÝÍ×áõÙ**, å³ß³ñáõÙ ḡ ·áñÍáÖáõÃÛáõÝÁ

Đ³Í³ÑÇåáï»Ý¹½Çí ¹»
Ö³ÙÇçáóÝ»ñ



Epinephrine (Adrenaline)

- »Ö³ÝÛáõÃÇ¹³ëÁ.
 - êÇÙå³iáÙÇÙ»iÇÍ, ïÝ¹á·»Ý³i»ËáÉ³ÙÇÝ, ³ÝáÃ³ë»ÖÙÇã, µñáÝË³É³ÜÝÇã
- ^{21/2¹}»óáõÃÛáõÝÁ`¹»Ö³ã³÷Çó³Ëí³Í.
 - ²Éy³ (ó³Íñ¹»Ö³ã³÷) " µ»í³ (µ³ñÓñ¹»Ö³ã³÷) Ñ³iõáõÃÛáõÝ
 - ²ÛëáÇëáí`³ñáÖ ï³ëÇëi»ÙÇÍ ³ÝáÃ³ÙÇÝ ¹ÇÙ³ñáõÃÛáõÝÁ (SVR), ¹/4Ö, ¹ê¹/4Å, ¹ëñ³Ù³ÝÇ iíõáÖ³í³ÝáõÃÛáõÝÁ, µñáÝËÝ»ñÇ³ÜÝ³óáõÙ
 - ¹÷áñáùÝ»ñÇ³ ßáÖ³óÙ³Ý (öP) ß»ÙùÁ
- ÍÇë³iñáÑÙ³Ý ³ñµ»ñáõÃÛáõÝÁ.
 - 2-3 ñáå»
- òáõóáõÙÝ»ñÁ.
 - öP/3Ý¹/₂³ñí ÷áñáù³ÛÇÝ³ËÇÍ³ñ¹Ç³, ³Ý¹/₂³ñí ïÉ»³iñ³Ý³íÇíáõÃÛáõÝ^(23/4^2), ÑÇåáï»Ý¹/₂Ç³, ³Ý³ýÇÉ³ùëÇ³



Epinephrine (β³-NáðY³IáðÃÛáðY)

- »Ö³ã³÷Á.
 - 1Ù· 3-5 ñáå»Y Ù»I³Y·³Ù Y/» (áñÇY Ñ»IáðÙ ð·ÍC É³óáðÙÁ)
 - Ü»ñßYä³÷áÖ³ÛÇY¹»Ö³ã³÷Á 2Ù· 10ÙÉ 0,9% NaCl-áí
 - °YÃ³Ù³ß³ÛÇY eñëIáðÙ 1Ù·
 - Ü»ñëñI³ÛÇY áÆ Ü°ðØàòlìàòø
 - ÆYyáð½C³Y.
 - 1-4ÙI·/ñáå» (³YáÃ³ë»ÖÙÇä), Yáëñ³óí³I· 10-20Ù·/250ÙÉ
 - 1-2ÙI·/ñáå» (³ëÃÙ³), Yáëñ³óí³I· 4Ù·/250ÙÉ
- IáÖÙY³IÇ^{3½¹}»óáðÃÛáðYÁ.
 - ïñáÖ ð· ì³ñÓñ³óY»É eñI³ÙI³YÇ á³N³YçÁ AÄí³IYÇ N³Y¹»å
 - ³é³ç³óY»É ð·ùëI³ëÇeIáE³Y»ñ
 - N³Y·»óY»É AñáÙµáóÇiY»ñÇ³·ñ»·³óÇ³ÛÇ
 - ËÃ³Y»É ·ÉÇIáE³½Á
- D³I³óáðóáðÙY»ñÁ.
 - ÆYyáð½C³Y I³I³ñ»É ÙÇ³ÛY I»YiñáY³I³Y ·Iáí
 - ½Ö ËÇeI ÑëIáÖáðÃÛáðY (ÙáYÇiáñÇY·)
 - ÆYyáð½CáY ááÙåÇ IÇñ³éáðÙ
 - áË³éY»É Y³iñÇáðÙÇ µÇI³ñµáY³IÇ N»i

Æ±Ýã ¿ óáõÛó ï³ÉÇë §:| ÝÙ³ÝÁ

- ¶ñ³ÙÝ»ñC N³ñ³µ»ñáõÃÛáõÝÁ ÙÉ-»
ñCÝ
- ²Ûëå»ë` 1:10.000 ÝÙ³Ý³ÍáõÙ ¿.
 - 1 · 10.000ÙÉ-áõÙ
 - ï³Ù` 1000Ù · 10.000ÙÉ-áõÙ
 - ï³Ù` 1Ù · 1ÙÉ-áõÙ
 - ï³Ù` 0,1Ù · 1ÙÉ-áõÙ
- Đ²ðò` Æ±Ýã ¿ ÝÙ³Ý³ÍáõÙ 1:1000



Dopamine (Intropin®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ÆÝáïñáå, ³ÝáÃ³ë»ÕÙÇä
- ²½¹»óáõÃÛáõÝÁ.
 - ÊÃ³ÝáõÙ ¼ ¹áå³ÙÇÝ¿ñ·ÇÍ µ»í³ ï³Ù ³Éy³ é»ó»åïáñÝ»ñÁ
 - ²½¹»óáõÃÛáõÝÁ ï³Ëí³Í ¼ ¹»Ó³ã³÷Çó
- òáõóáõÙÝ»ñÁ.
 - ↓ØÇ½³ñí³¹ñáõÃÛáõÝ, ↓êðì, ↓¼ÖÉ, ÙÕ»É, ×Ýß»É! (§ÙÇ)



Dopamine

($\beta^3\text{ñ}\text{á}\text{o}\text{Ý}^3\text{í}\text{á}\text{o}\text{Ã}\text{U}\text{á}\text{o}\text{Ý}$)

- » $\text{Ó}^3\text{a}^3\text{÷}\text{Á}$.
 - 1-4ÙÍ·/Í·/ñáå» - »ñÇÍ³Ù³ÛÇÝ (ûÉÇ·áõñÇ³)
 - 5-10ÙÍ·/Í·/ñáå» - ëñÍ³ÛÇÝ (ó³Íñ êðì)
 - 11-20ÙÍ·/Í·/ñáå» - ³ÝáÃ³ÛÇÝ (ó³Íñ $\frac{1}{4}$ Ö)
 - Üáëñ³óáõÙÁ` 400Ù·/250ÙÉ
- ÍáÖÙÝ³ÍÇ $3\frac{1}{2}^1$ »óáõÃÛáõÝÁ.
 - í³ËÇ³éÇÃÙÇ³Ý»ñ
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - ĐÇåááÍ»ÙÇ³ÛÇ $1\frac{1}{2}$ »åùáõÙ µáõÅáõÙÁ ëÍë»É Ý³Ë .. ³é³ç Ñ» ÕáõÍÝ»ñái
 - ÆÝáõ $\frac{1}{2}$ Ç³Ý Çñ³Í³Ý³óÝ»É ÙÇ³ÛÝ Í»ÝíñáÝ³Í³Ý ·íÇ Ù»ç
 - $\frac{1}{4}$ Ö ËÇëí ÑëÍáõÃÛáõÝ (ÙáÝÇüáñÇÝ·)
 - ÆÝáõ $\frac{1}{2}$ ÇáÝ åáÙåÇ ÍÇñ³éáõÙ
 - áË³éÝ»É Ý³íñÇáõÙÇ µÇÍ³ñµáÝ³íÇ Ñ»í

Norepinephrine (Noradrenaline, Levophed®)

- »Ö³ÝÛáõÃÇ 1³ëÁ.
 - ²ÝáÃ³ë»ÖÙÇã „ ÇÝáïñáå
- 2½¹»óáõÃÛáõÝÁ.
 - 90% ³Éý³ „ 10% µ»í³-1
 - äë³í³Ó „ ½³ñí»ñ³íÝ»ñÁ »ñláõ ³Ý·³Ù ³í»ÉÇ ¿ É³ÛÝ³óÝáõÙ, ù³Ý Epinephrine-Á
- ÎÇë³íñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 2-3 ñáå»
- òáõóáõÙÝ»ñÁ.
 - ĐÇåáï»Ý½Ç³



Norepinephrine ($\beta^3\text{-noradrenalin}$)

- α -adrenergic agonist.
 - 4-8 $\mu\text{g}/250\text{mL}$ D5W (5% glucose 1/2 strength) contains 0.5-30 $\mu\text{g}/\text{mL}$
- α -adrenergic agonist.
 - α_1 receptors stimulate vasoconstriction, α_2 receptors stimulate norepinephrine release, β_1 receptors stimulate heart rate and contractility, β_2 receptors stimulate vasodilation and glycogenolysis.
- α -adrenergic agonist.
 - α_1 receptors stimulate vasoconstriction, α_2 receptors stimulate norepinephrine release, β_1 receptors stimulate heart rate and contractility, β_2 receptors stimulate vasodilation and glycogenolysis.

Phenylephrine HCl (Mesatonum, Neo-syneprine®)

- , »Ö³ÝÛáõÃÇ 1³ëÁ.
 - 2ÝáÃ³ë»ÖÙÇã
- 2¹/₂ »óáõÃÛáõÝÁ.
 - Ø³ùáõñ 3Éy³-3ÝáÃ³ë»ÖÙáõÙ, µ³Ûó 1³Ý¹³Ö»óÝáõÙ ½ Å-Á
- òáõóáõÙÝ»ñÁ.
 - ĐÇåáï»Ý½Ç³, å³ñáùëÇ½Ù³É í»ñ÷áñáù³ÛÇÝ i³ËÇi³~ (PSVT) (?)



Phenylephrine HCl (β^3 -náõ-Y³IáõÃÛáõY)

- „»Ö³ä³-Á.
 - AEÝyáõ½Ç³ 10-20Ù·/250ÙÉ 10-189ÙÍ·/ñáå» ³ñ³-áõÃÛ³Ùµ
- ÍáÖÙY³IÇ³½¹»óáõÃÛáõYÁ.
 - 'ñ³IÇ³ñ¹Ç³, ÑÇå»ñii»Y½Ç³
- Đ³I³óáõóáõÙY»ñÁ.
 - 'áõÅùáõÛñ»ñÁ ã»Y å³iñ³ëiáõÙ " ã»Y Yß³Y³IáõÙ "Neosticks"
(³åÉÇI³óÇáY¹»Ö³Ó")!
 - AEÝyáõ½Ç³Y Çñ³I³Y³óY»É ÙÇ³ÛY I»YiñáY³I³Y ·íáí
 - ¼Ö ËÇëi ÑëIáõÃÛáõY (ÙáYÇiáñÇY·)
 - AEÝyáõ½ÇáY åáÙåÇ IÇñ³éáõÙ

Vasopressin

- »Ö³ÝÛáõÃÇ¹³ëÁ.
 - êÇÝÃ»ïÇÍ³ÝïÇ¹Çáõñ»ïÇÍ³ÝáõÙáÝ (²,Đ)
- ²¹/₂»óáõÃÛáõÝÁ.
 - ²é³ç³óÝáõÙ ð å»ñÇý»ñÇÍ³ÝáÃ³ë»ÖÙáõÙ, ÇÝäÁ³Ý³óÝáõÙ ð ëñí³Ùí³ÝÇ³ÉÉáõÖ»ÖÇ å»ñýáõ½Ç³Ý, ÈÃ³ÝáõÙ ð³¹ñ»ÝáõÙíÇÍáõÙáåÇÝÇ³ñí³¹/₂³íáõÙÁ` μ»ñ»Éáí³ÝáõÙíÇ³ñí¹³íÇ³μ³ñÓñ³óÙ³Ý (áõÅ»Ö³óÝáõÙ ð ëñí³Ùí³ÝÇ³ííáõÙíÇ³ÝáõÙáõÝÁ)
- ÎÇë³iñáÑÙ³Ý å³ñμ»ñáõÃÛáõÝÁ.
 - 18 ñáå»
- òáõóáõÙÝ»ñÁ.
 - ¾åÇÝ»ýñÇÝÇ³ÛÉÁÝíñ³Ýù` öþ/³Ý¹/_₂³ñí³÷áñáù³ÛÇÝ³ËÇÍ³ñ¹Ç³ÛÇ (²öî), ë»åïÇÍ³ÛÇ¹»åùáõÙ

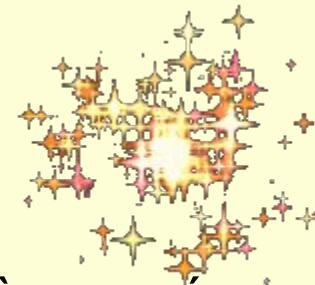


Vasopressin (Β³İáõÝ³İáõÃÛáõÝ)

- »Ö³a³÷Á.
 - öP/2öî - 40 ÙÇ³íáñ Ý/» βÇÃ³ÛÇÝ (IVP) ÙÇ³Ýí³.
 - ê»åëÇëÇ 1»åùáõÙ - 100 ÙÇ³íáñ/500ÙÉ, 0,04 ÙÇ³íáñ/ñáå»
3ñ³·áõÃÛ³Ùμ (»ñμ»ÙÝ ÙÇÝä” 0,1 ÙÇ³íáñ/ñáå»)
- ÎáÖÙÝ³İÇ 3½¹»óáõÃÛáõÝÁ.
 - Đ½áñ 3ÝáÃ³ë»ÖÙÇä ¿
- Đ³İ³óáõóáõÙÝ»ñÁ.
 - 2½áï»ÙÇ³Ûáí áõÖ»İóíáÖ ÈñáÝÇİ³İ³Ý Ý»ýñÇİ
 - ¶ÇÝÁ (?) - (\$40 Ù»İ 1»Ö³a³÷Á)

Dobutamine (Dobutrex®)

- »Ö³ÝÛáõÃÇ ¹³ëÁ.
 - êÇÝÃ»ïÇÍ Í³í»ËáÉ³ÙÇÝ
- ²¹/₂»ÓáõÃÛáõÝÁ.
 - ÆÝáïñáå (³é³í»É³å»ë µ»í³ 1) – áõÅ»Ö³óÝáõÙ ï³ñ¹ÇáÙÇáóÇÍÝ» ñÇ ÍÍláÖ³Í³ÝáõÃÛáõÝÁ „³í»É³óÝáõÙ êðì-Á
- ÍÇë³íñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 2 ñáå»
- òáõóáõÙÝ»ñÁ.
 - ÊñáÝÇÍ³Í³Ý ëñí³ÙÇÝ ³Ýµ³í³ñ³ñáõÃÛáõÝ, ÑÇåáï»Ý½Ç³, ↓êðì
 - ÍÇñ³éíáõÙ ï³ñ»ë-í»ëí»ñÇ ¹»åùáõÙ



Dobutamine (β³ñáõÝ³ïáõÃÛáõÝ)

- »Ö³ä³÷Á.
 - 2-20ÙÍ·/Í·/ñáå»
 - ïÇiñáõÙ
 - ÍñáÖ ï Çí»É ïáÉ»ñ³ÝiáõÃÛáõÝ 1»Ö³ä³÷Ç Ñ³Ý¹»å
 - 500Ù·/250ÙÉ D5W, å³iñ³ëiÇ Ë³éÝáõñ¹ái å³ñÍ
- ïáÖÙÝ³ïÇ ^{31/2}»óáõÃÛáõÝÁ.
 - ↑ê¼Å, ï³ËÇ³éÇÃÙÇ³Ý»ñ, ↑ëñi³ÙÍ³ÝÇ ÅÄí³ÍÝ³ÛÇÝ å³Ñ³ÝçÁ
- Đ³ï³óáõóáõÙÝ»ñÁ.
 - ĐÇåáíáÉ»ÙÇ³ÛÇ 1»åùáõÙ µáõÅáõÙÁ ëÍë»É Ý³Ë ..³é³ç Ñ»ÖáõÍY»ñái
 - ÆÝýáõ½Ç³ÛÇ Çñ³ï³Ý³óÝ»É ÙÇ³ÛÝ ï»ÝiñáÝ³ï³Ý ·íÇ Ù»ç
 - ¼Ö ËÇëi ÑëÍáõÃÛáõÝ (ÙáÝÇiáñÇ·)
 - ÆÝýáõ½ÇáÝ åáÙåÇ ïÇñ³éáõÙ
 - åË³éÝ»É Ý³iñÇáõÙÇ µÇï³ñµáÝ³ïÇ Ñ»í

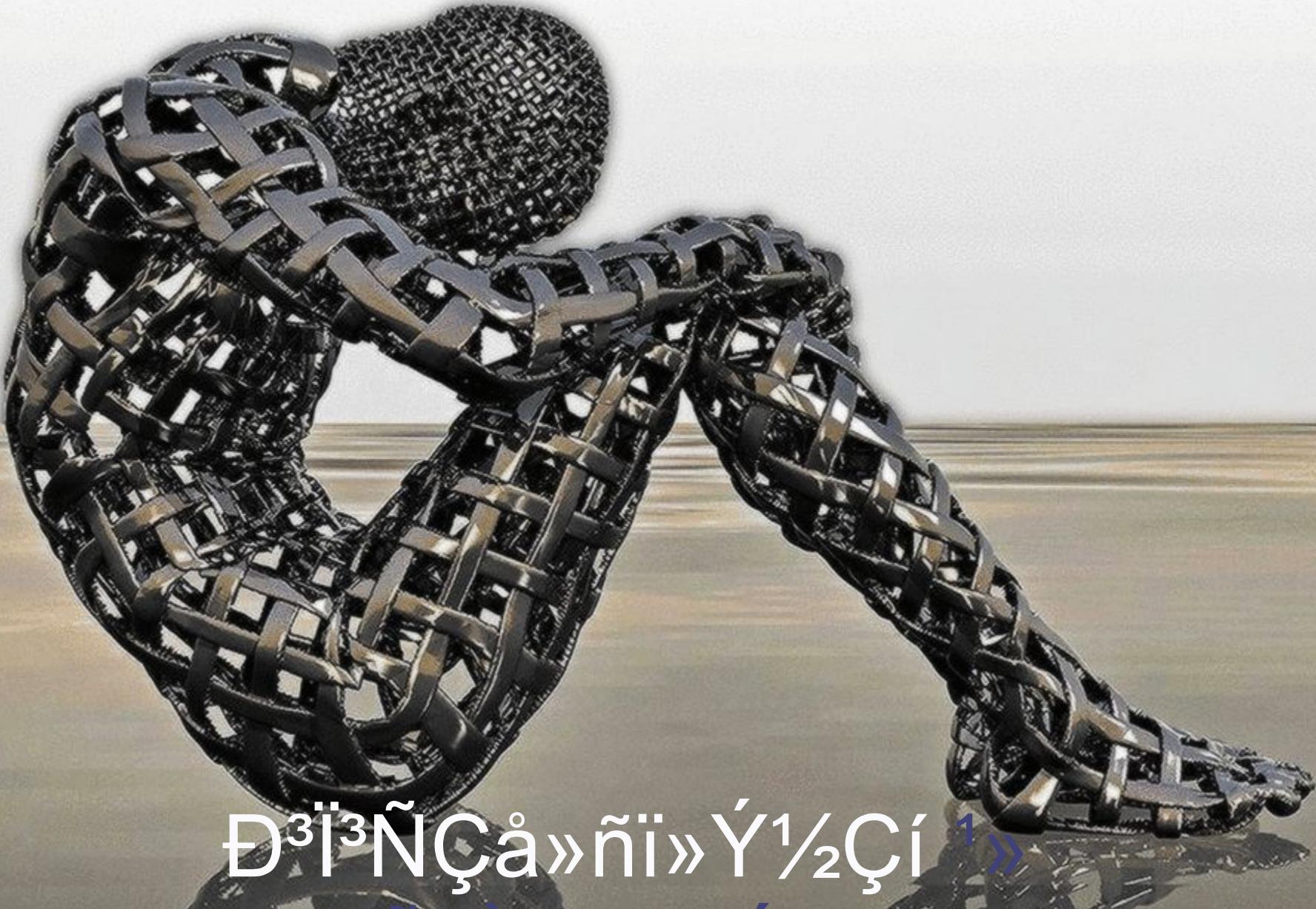
Milrinone (Primacor®)



- »Ö³ÝÜáõÃÇ 1³ëÁ.
 - §ÆáÝ³É³ÜÝÇã!, ýáëýá¹Ç¿ëÁ»ñ^{3½}Ç (ü,³/₄ - PDE) å³ß³ñÇã
- 2¹/₂¹»óáõÃÛáõÝÁ.
 - ä³ß³ñáõÙ ð ü,³/₄-Ý` ↑ó²Øü-Á, ↑Ý»ñµçç³ÜÇÝ ï³ÉóÇáõÙÁ,
↑ëñï³Üï³ÝÇ ïíláõ³ï³ÝáõÃÛáõÝÁ ..³ÝáÃ³É³ÜÝ³óáõÙÁ
 - 2ÛëåÇëáí, Ýí^{3½}»óÝáõÙ ð Ý³Ë³µ»éÝáõÙÁ .. »ïµ»éÝáõÙÁ
- ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 3 Å³Ù
- ðáõóáõÙÝ»ñÁ.
 - ↓êðì, ↑ÂØÜÖ (Ãáù³ÜÇÝ Ù^{3½}³ÝáÃÝ»ñÇ Ý»ñÑñÙ³Ý ×ÝßáõÙ) – (PCWP), Êê² (ËñáÝÇï³ï³Ý ëñï³ÜÇÝ ³Ýµ³í³ñ³ñáõÃÛáõÝ) - (CHF)

Milrinone (β³-náõÝ³īáõÃÝáõÝ)

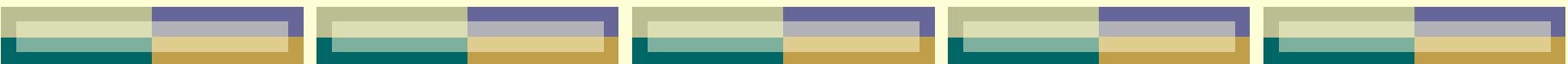
- „»Ö³ä³÷Á.
 - Đ³-»óáõÙ` 50ÙÍ·/Í· 10 náå»Ç ÁÝÃ³óùáõÙ
 - ÆÝýáõ½Ç³ 40Ù·/200ÙÉ 0,375–0,75ÙÍ·/Í·/náå»³n³·áõÃÛ³Ùμ
 - ÆÝýáõ½Ç³Ý β³náõÝ³ī»É ÙÇÝä" 5 ûñ (íáÉ»ñ³ÝíáõÃÛ³Ý ½³n³óáõÙ)
- ÍáÖÙÝ³īÇ ^{3½1}»óáõÃÛáõÝÁ.
 - ĐÇåáï»Ý½Ç³, ³éÇÃÙÇ³Ý»ñ
- Đ³ī³óáõóáõÙÝ»ñÁ.
 - Lasix - Ýëíí³íùÇ ³é³ç³óáõÙ



Đ³Í³ÑÇå»ñí»Ý½Çí ¹»
Ô³ÙÇçáóÝ»ñ

Nitroglycerin (Tridil®)

- »Ö³ÝÛáõÃÇ 1³ëÁ.
 - Đ³İ³³Ý·ÇÝ³É (Ñ³İ³ë»Ýáï³ñ¹Çİ), Ñ³İ³ÑÇå»ñï»Ý½Çí,
3ÝáÃ³É³ÛÝÇã
- 2½¹»óáõÃÛáõÝÁ.
 - ²ÝáÃ³ÛÇÝ Ñ³ñÃ Ùï³ÝÝ»ñÇ é»É³ùë³Ýí, ½³ñï»ñ³İ³ÛÇÝ .. »
ñ³İ³ÛÇÝ Ñ³Ù³İ³ñ·Ç ³ÝáÃ³É³ÛÝÇã, ÇÝäÇ ßÝáñÑÇí Ýí^{3½}»
óÝáõÙ ڦ Ý³Ë³µ»éÝáõÙÁ .. »ïµ»éÝáõÙÁ, ÇÝäå»ëÝ³..
ëñï³Ùï³ÝÇ ÅÄí³ÍÝ³ÛÇÝ å³Ñ³ÝçÁ
- ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 1-4 ñáå»
- òáõóáõÙÝ»ñÁ.
 - êï»Ýáï³ñ¹Ç³, ÑÇå»ñï»Ý½Ç³, Èê²



Nitroglycerin ($\beta^3\text{NHO}_2\text{C}_3\text{H}_5\text{NO}_2$)

- »Ó³ã³÷Á.
 - °ÝÃ³É»½í³ÛÇÝ` 0,3-0,4Ù·, 5 ñáå» å³ñµ»ñáõÃÛ³Ùµ, 3 ³Ý·³Ù
 - ²¿ñá½áÉ-§ëåñ»Û` 0,5-Çó 1íñí, 5 ñáå» å³ñµ»ñáõÃÛ³Ùµ
 - î»Ó³ÛÇÝ ùëáõí` í³ñ³í»É 5-7ëÙ
 - ÆÝýáõ½Ç³ 50Ù·/250ÙÉ 10-400ÙÙ·/ñáå» ³ñ³·áõÃÛ³Ùµ (3-72 ÙÉ/Å³Ù)
 - îÇíñ»É ³ñ¹ÛáõÝ³í»ïáõÃÛ³Ý Ñ³Ù³ñ` 5-10ÙÙ·-áí 3-5 ñáå» å³ñµ» ñáõÃÛ³Ùµ
 - ïáÕÙÝ³íÇ ^{31/21}»óáõÃÛáõÝÁ.
 - ¶ÉË³ó³í, ↓¼Ö, ßÇÍÝáõÙ, ïáÉ»ñ³ÝïáõÃÛ³Ý ½³ñ·³óáõÙ 24 Å³ÙÇó í³Ù µ³ñÓñ ¹»Ó³ã³÷»ñÇó
 - Đ³í³óáõóáõÙÝ»ñÁ.
 - Đ³íáõí ßß»ñ` áã åáÉÇíÇÝÇÉùÉáñÇ¹³ÛÇÝ í³Ù ³å³íÛ³
 - ÆÝýáõ½ÇáÝ åáÙåÇ íÇñ³éáõÙ
 - åË³éÝ»É áã ÙÇ ³ÛÉ åñ»å³ñ³íÇ Ñ»ï
 - Viagra®-Çó Ñ»ïá áã ßáõí, ù³Ý 24 Å³Ù ³Ýó
 - ä³ßíå³Ý»É ÉáõÛëÇó

Nitroprusside (Nipride®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - Đ³ï³ÑÇå»ñï»Ý½Çí, ³ÝáÃ³É³ÛÝÇã
- ²½¹»óáõÃÛáõÝÁ.
 - ²é³ç³óÝáõÙ ï å»ñÇý»ñÇÍ ³ÝáÃÝ»ñÇ É³ÛÝ³óáõÙ` Ñ³ñÃÙï³ÝÝ»ñÇ ÁáõÉ³óÛ³Ý Ñ»ï³Ýùáí
- ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 1-2 ñáå»
- òáõóáõÙÝ»ñÁ.
 - ĐÇå»ñï»Ý½Çí ïñÇ½, Èê², ÄáùÇ ³Ûïáõó, ÙÇïñ³É³Ýµ³í³ñ³ñáõÃÛáõÝ, ³áñï³É³Ýµ³í³ñ³ñáõÃÛáõÝ, ï³ñ¹Çá·»Ý ïáí



Nitroprusside (B³ñáõÝ³IáõÃÜáõÝ)

- „»Ö³ä³÷Á.
 - ÆÝýáõ½Ç³ 50Ù·/250ÙÉ D5W 0,5-10ÙÍ·/Í·/ñáå» ³ñ³·áõÃÜ³Ùµ
 - ÍÇÍñ»É 2-3 ñáå» å³ñµ»ñáõÃÜ³Ùµ
- ÍáÖÙÝ³IÇ ³¹/₂¹»óáõÃÜáõÝÁ.
 - ĐÇåáï»Ý½Ç³, ·ÉË³ó³í, èñíË³éÝáó/÷ëËáõÙ, áñáí³ÛÝ³ÛÇÝ ó³í
 - òÇ³ÝÇ¹³ÛÇÝ ÁáõÝ³íáñáõÙ` ÝáõÛÝÇëї íáùëÇÍÇó ó³Íñ¹»Ö³ä³÷»ñÇ¹»åùáõÙ – óÝóáõÙÝ»ñ, Ù»í³µáÉÇÍ³óÇ¹á½, Ñ“áó, ·ÉË³ó³í, ·Çí³íóáõÃÜ³Ý Íáñáõëї, ÷ëËáõÙ, Ý»ñ·³Ý·³ÛÇÝ ×ÝßÙ³Ý µ³ñÓñ³óáõÙ, È³í³ñ³í»ëáõÃÜáõÝ, Èßßáó³í³ÝçÝ»ñáõÙ
- Đ³I³óáõóáõÙÝ»ñÁ.
 - ¼·³ÙáõÝ ¿ ÉáõÛëÇ Ñ³Ý¹»å “³ÝÑ³Ù³í»Ö»ÉÇ³ÛÉ åñ»å³ñ³íÝ»ñÇ¹Ñ»í
 - ¼Ö ÈÇëї ÑëÍáõÃÜáõÝ (ÙáÝÇíáñÇÝ·)
 - ÆÝýáõ½ÇáÝ åáÙåÇ ÍÇñ³éáõÙ
 - ÆÝýáõ½Ç³Ý Çñ³í³Ý³óÝ»É ÙÇ³ÛÝ Í»ÝíñáÝ³íÝ ·íáí
 - å·»ñ³í³Ýó»É 10ÙÍ·/Í·/ñáå»¹»Ö³ä³÷Á

Lisinopril

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ³Ý·Çáï»Ý½ÇÝ ÷áËá»ñåáÖ ý»ñÙ»ÝíC (²öü) ÁÝÍ×áõÙ (ACE Inhibitor)
 - §Generic! »Ó³ÙÇçáóÝ»ñÇ í»ñç³íáñáõÃÛáõÝÁ §pril! ɿ
- ²½¹»óáõÃÛáõÝÁ.
 - ÁÝÍ×áõÙ ɿ ²öü-Á " ³Ý·Çáï»Ý½ÇÝ I-C ³ÝóáõÙÁ ³Ý·Çáï»Ý½ÇÝ II-C; ³ÜëåÇëáí, Ýí^{3½}»óÝáõÙ ³ÝáÃ³ë»ÓÙáõÙÁ " ³É¹áëï»ñáÝÇ ëÇÝÃ»½Á
- ðáõóáõÙÝ»ñÁ.
 - ĐÇå»ñï»Ý½Ç³, Êê², ëñï³Ùï³ÝÇ ëáõñ ÇÝý³ñï (êêÆ) Ó³Ë ÷áñáùÇ ¹ÇëýáõÝíóÇ³Ûáí áõÖ»íóíáÖ (LVD)
- ĐÇí³Ý¹Ý»ñÇ ËáõÙµÁ.
 - Üí^{3½}»óÝáõÙ ɿ Ù³Ñ³óáõÃÛáõÝÁ " µ³ñ»É³íáõÙ ɿ Ó³Ë ÷áñáùÇ ýáõÝíóÇ³Ý; û·ÝáõÙ ɿ Òö-C é»Ùá¹»É³íáñÙ³Ý (¹ÇÉ³í³óÇ³ÛÇ) ï³ÝËÙ³ÝÁ, Ñ»í³Ó·áõÙ ɿ ëñï³ÙÇÝ ³Ýµ³í³ñ³ñáõÃÛ³Ý ½³ñ·³óáõÙÁ

Lisinopril (β³-náðÝ³ÍáðÃÛáðÝ)

- „»Ö³a³÷Á.
 - 5-10Ù· µ»ñ³Ýáí (PO) ûñÁ ãáñë ³Ý·³Ù (6ÅÙ³)
- ÍáÖÙÝ³ÍÇ ³½¹»óáðÃÛáðÝÁ.
 - ð³Ý, Ñ^{3½}, ÑÇåáï»Ý½Ç³
- Ð³Í³óáðóáðÙÝ»ñÁ.
 - °ñÇÍ³Ù³ÛÇÝ ½³ñÍ»ñ³ÍÇ ëï»Ýá½, ³ÝáÃ³ÛÇÝ ³Ûíáðó, »ñÇÍ³Ù³ÛÇÝ ³Ýµ³Í³ñáðÃÛáðÝ (å³Í³ë»óÝ»É ¹»Ö³a³÷Á)



Nicardipine (Cardene®)

- „»Ö³ÝÛáõÄÇ ¹³ëÁ.
 - Î³ÉóÇáõÙ³İ³Ý İ³Ý³ÉÝ»ñÇ å³ß³ñÇä
 - ²¹/₂¹»óáõÄÛáõÝÁ.
 - ÀÝİ×áõÙ ɿ İ³ÉóÇáõÙÇ çáÝÝ»ñÇ ³Ý¹ñÃ³Ö³ÝÄ³ÛÇÝ Ý» ñÑáëùÁ İ³ñ¹ÇáÙÇáóÇiÝ»ñ .. ³ÝáÃÝ»ñÇ Ñ³ñÃ Ùİ³Ý³µçÇçÝ»ñ
 - ²ÜëåÇëáí, Ñ³Ý·»óÝáõÙ ɿ ³ÝáÃÝ»ñÇ É³ÛÝ³óÙ³ÝÁ .. ëÇëi»ÙÇi ³ÝáÃ³ÛÇÝ ¹ÇÙ³ñáõÄÛ³Ý (ê², -SVR) Ýí³¹/₂Ù³ÝÁ
 - ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÄÛáõÝÁ.
 - 2,7 ñáå»



Nicardipine (β³-áróY³-láóÃ-ÚráóY)

- òáőóáőÙY»ñÁ.
 - ÑÇåáï»Y½Ç³ÛÇ Í³ñ×³Å³ÙÍ»ï µáőÅÙ³Y Ñ³Ù³ñ
 - áÇ ³½¹áőÙ ëñïÇ Ñ³×³ËáőÃÙ³Y íñ³
 - íáùëÇÍ Ù»í³µáÉÇÍY»ñ áÇ ³é³ç³óYáőÙ
- ĐÇí³Y¹Y»ñÇ ËáőÙµÁ.
 - ĐÇå»ñï»Y½Ç³, ½³ñÍ»ñ³Í-»ñ³Í³ÛÇY Ù³ÉyáñÙ³óÇ³
(¼°Ø-AVM), ïY¹³ñï»ñÍäÙÇ³, ÇÝëáőÉïáí ÑÇí³Y¹Ç í³ñáőÙÃ

Nicardipine (β³-náõ-Y³-láõ-Á-Úáõ-Y)

- »O³a³-Á.
 - 25-240 ÙÉ
 - èÇY-»ñ-E³l³i ãû·i³·áñí»É
 - 3-15 Ù·/Å³Ù (ëlë»É 5 Ù·/Å³Ù-áí l³Ù 50 ÙÉ/Å³Ù)
 - iÇiñ»É 5 náå»Y Ù»i 2,5 Ù·/Å³Ù (25 ÙÉ/Å³Ù) 1»O³a³-áí
 - Ül³½»óY»É ÙÇYä 3 Ù·/Å³Ù, »ñµ ¼Ö-Á N³ë»É ¿ ó³Yl³ÉÇ Ù³l³ñ¹³iÇY
 - l³náõ ¿ iñí»É å»ñÇy»ñÇi »ñ³lái, µ³Ûó l³náõ ¿ ³ÛY µáñµáù»É
 - Đ»ßiáõÁÚ³Ùµ ÷áE³ñÇYíáõÙ ¿ 1»O³N³µ»ñáí (³YóáõÙ µ»ñ³Yáí ÁY¹áõYÙ³Y)
- láOÙY³iÇ ³½¹»óáõÁÚáõYÁ.
 - iöî, èÇYáõë³ÛÇY l³EÇi³ñ¹Ç³ (êî-ST), ÑÇåáï»Y½Ç³, èñiE³éYáó, ÷ëEáõÙ, ·E³ó³i
- Đ³l³óáõóáõÙY»ñÁ.
 - ²áñi³É eï»Yá½, óÇiÉáëåáñÇYÇ (ÇÙáõYá¹»åñ»ë³Yi) Ù³l³ñ¹³iÇ EÇeï ÑëláOáõÁÚáõY



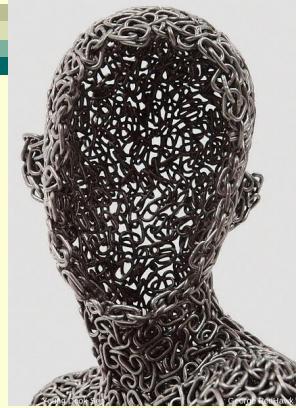
Labetalol (Trandate/Normodyne®)

- »Ö³ÝÛáõÃÇ ¹³ëÁ.
 - ²Éý³/ μ »í³ ³¹ñ»Ý ï·ÇÍ å³ß³ñÇã, Ñ³í³ÑÇå»ñï»Ý½ÇÍ
- ^{2½}»óáõÃÛáõÝÁ.
 - ²Éý³ " μ »í³ å³ß³ñÇã
 - Üí^{3½}»óÝáõÙ ï »íµ»éÝáõÙÁ " å³í³ë»óÝáõÙ ï ê¼Å-Á
- ÎÇë³íñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 5 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - ĐÇå»ñï»Ý½Ç³



Labetalol (Β³ñáõÝ³ÍáõÃáõÝ)

- ,»Ó³ã³÷Á.
 - 10-20Ù· Ý/» βÇÃ³ÛÇÝ 1-2 ñáå»Ç ÁÝÃ³óùáõÙ
 - 1³ñ»ÉÇ ½ ÍñÍÝ»É Í³Ù ÍñÍÝ³ÍÇ 1»Ó³ã³÷ Ý»ñ³ñÍ»É 10 ñáå»å³ñµ»ñáõÃÛ³Ùµ ÙÇÝã³é³í»É³·áõÛÝÁ 300Ù·
 - ΑΕÝýáõ½Ç³ 200Ù· 250ÙÉ-áõÙ 1-3Ù·/ñáå» (ÇÝëáõÉiÇ Ýáñ³ñÓ³Ý³·ñ»ñáõÙ· 2-8Ù·/ñáå»)
- ÍáÕÙÝ³ÍÇ 3½¹»óáõÃÛáõÝÁ.
 - ĐÇåáï»Ý½Ç³, ·ÉË³åíáõÛí, ùñí³ñí³ñáõÃÛáõÝ, ·ÉËÇ Ù³½³Í³Ííßñç³ÝÇ ÃÙñ³ÍáõÃÛáõÝ
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - ¼·áõßáñ»Ý ÍÇñ³é»É Í³Ýñ Ó³Ë ÷áñáù³ÛÇÝ³Ýµ³í³ñ³ñáõÃÛ³Ùµ " ãëÃÙ³Ûáí ÑÇí³Ý¹Ý»ñÇ Ùáí



Nifedipin

- »Ö³ÝÛáõÃÇ 1³ëÁ.
 - Í³ÉóÇáõÙÇ ÇáÝÝ»ñÇ ³Ýí³·áÝÇeii, Ñ³Í³ÑÇå»ñii»Ý½Çí
- 2½¹»óáõÃÛáõÝÁ.
 - Üí^{3½}»óÝáõÙ ɿ eñi³Ùí³ÝÇ ÅÄí³ÍY³ÛÇÝ å³Ñ³ÝçÁ, ³í»É³óÝáõÙ ɿ ÍáñáÝ³ñ ÑáëùÁ, Í³ÝËáõÙ ɿ ÍáñáÝ³ñ eå^{3½}ÙÁ, Çç»óÝáõÙ ɿ å»ñÇý»ñÇí ³ÝáÃ³ÛÇÝ ¹ÇÙ³ñáõÃÛáõÝÁ
- ÍÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 3-4 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - äñÇÝóÙ»í³ÉÇ eii»Ýáí³ñ¹Ç³
 - Í³ÛáõÝ eii»Ýáí³ñ¹Ç³ (μ)»í³-å³ß³ñÇäÝ»ñÇ Ñ»í Ñ³Ù³i»Ö)
 - ¼³ñi»ñ³Í³ÛÇÝ ÑÇå»ñii»Ý½Ç³

Nifedipin (Β³ñáõÝ³ïláõÃáõÝ)

- ,»Õ³ã³÷Á.
 - 10Ù·¹»Õ³Ñ³µ 6-8ÅÙ³ µ»ñ³Ýáí
 - úñí³ 3é³í»É³·áõÛÝ ¹»Õ³ã³÷Á` 60Ù·
 - Đ³µ»ñÁ ãÍ³Ù»É, ïláõÉ ï³É ùÇã ù³Ý³ïÇ çñáí
- ïláõÙÝ³ïÇ ^{3½¹}»óáõÃÛáõÝÁ.
 - ĐÇåáï»Ý½Ç³, ëñïË÷áó, ëÇÝïláå», ·ÉË³åïáõÛï, ùÝÇ Ë³Ý·³ñáõÙÝ»ñ, Ë³í³ñï»ëáõÃÛáõÝ
 - êñïË³éÝáó, ÉáõÍ, áñáí³ÛÝÇ çÕ³Ó·áõÙÝ»ñ
 - ¶ÉË³ó³í, ¹»ÙùÇ ³ñÛáõÝ³É»óáõÙ, ó³Ý
- Đ³ï³óáõóáõÙÝ»ñÁ.
 - êñï³Ùï³ÝÇ çÝý³ñï (³é³çÇÝ ³Ùëí³ ÁÝÃ³óùáõÙ)
 - ²Ýï³ÛáõÝ ëï»Ýáï³ñ¹Ç³
 - ²áñï³É ÷³ï³ÝÇ ïñÇïÇï³ï³Ý ëï»Ýá½

Capoten (Captopril)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ²öü ÇÝÑÇµÇïáñ
- ²¹/₂»óáõÃÛáõÝÁ.
 - ²ÝáÃ³É³ÛÝÇã, »ïµ»éÝÙ³Ý .. Äáù³ÛÇÝ Ù³¹/₂³ÝáÃÝ»ñÇ Ý»
ñÑñÙ³Ý ×ÝßÙ³Ý, Äáù³ÛÇÝ ½³ñï»ñ³ïÇ ×ÝßÙ³Ý Çç»óáõÙ
 - ĐÇåáï»Ý¹/₂Çí
- ÎÇë³ïñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 3-4 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - ¼³ñï»ñ³ï³ÛÇÝ ÑÇå»ñï»Ý¹/₂Ç³
 - Èê²



Capoten (Þ³ñáõÝ³ÍáõÃáõÝ)

- „»Õ³ã³÷Á.
 - 25Ù· ¹»Õ³Ñ³µ
 - ñíáõÙ ¼ áõï»Éáõó 1 Á³Ù ³é³ç
 - „»Õ³ã³÷Á áñáßíáõÙ ¼ ³ÝÑ³Í³å»ë
 - úñí³ ³é³í»É³·áõÙÝ ¹»Õ³ã³÷Á` 150Ù·
- ÍáõÙÝ³ÍÇ ³½¹»óáõÃÛáõÝÁ.
 - ĐÇåáï»Ý½Ç³, Í³ËÇÍ³ñ¹Ç³, ûñÃ³ëí³ÍÇÍ ÑÇåáï»Ý½Ç³
 - ØÇ½³ÝÛáõÃÇ „ ïñ»³ÍÇÝÇÝÇ Ù³Í³ñ¹³ÍÇ µ³ñÓñ³óáõÙ
 - ¶ÉË³ó³í, ·ÉË³åäáõÙí, ûÝÍáõÃÛáõÝ
 - Đ³½, ÄáùÇ ³Ûíáõó, ó³Ý, µ»ñ³ÝÇ ãáñáõÃÛáõÝ, èñíË³éÝáó
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - °ñÇÍ³Ù³ÛÇÝ ³ñí³Ñ³Ûí³Í ³Ýµ³í³ñ³ñáõÃÛáõÝ, ³½áï»ÙÇ³, ÑÇå»ñí³É»ÙÇ³
 - ²áñí³ÛÇ Íá×Ö»½Ç èí»Ýá½, ÙÇíñ³É èí»Ýá½
 - ÈÛ³ñ¹³ÛÇÝ ³ñí³Ñ³Ûí³Í ³Ýµ³í³ñ³ñáõÃÛáõÝ
 - ĐÇåáï»Ý½ÇÍ íÇ×³Í
 - ÙÇÝä“ 18 Í³ñ»Í³Ý ³ÝÑ³ÍÝ»ñÇÝ

†³ËÇİ³ñ¹Ç³ÛÇ
µáõÅÙ³Ý ¹»
Ö³ÙÇçáóÝ »ñÁ



Lidocaine (Xylocaine®)

- »Ö³ÝÛáõÃÇ 1³ëÁ.
 - ,³ë I Ñ³Ï³³éÇÃÙÇÏ
- 2½¹»óáõÃÛáõÝÁ.
 - ÖÝß»Éáí 1»åáÉÛ³ñÇ½³óÇ³ÛÇ 4-ñ¹ ÷áõÉÁ, ÁÝÏ×áõÙ³ïäÝáÙáõÃÛáõÝÁ, ↑öþ-Ç ß»ÙùÁ
- ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 8-10 ñáå»
- ðáõóáõÙÝ»ñÁ.
 - öþ/öî, ÷áñáù³ÛÇÝ ¿ùëiñ³ëÇëiáÉ³Ý»ñ (PVC), É³ÛÝ ïáÙåÉ»ùëáí ì³ËÇÏ³ñ¹Ç³, Ñ³½³ÛÇÝ é»ýÉ»ùëÝ ÁÝÏ×»Éáõ Ýå³ïáí

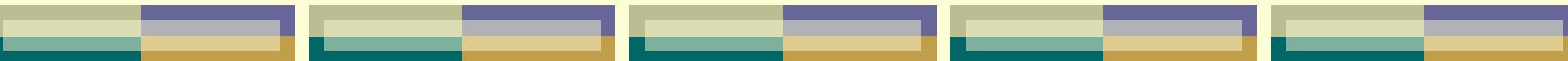


Lidocaine (Лидокаин)

- „»Ö³ä³÷Á.
 - Ü³ËÝ³İ³Ý 1»Ö³ä³÷Á` 1-1,5Ù·/İ· ³ÛÝáõÑ»í” 1ñ³ İ»ëÁ (0,5-0,75Ù·/İ·) 5-10 ñáå»Ç ÁÝÃ³óùáõÙ
 - ²é³í»É³·áõÛÝ 1»Ö³ä³÷Á` 3Ù·/İ·
 - Ü»ñÛÝä³÷áÖ³ÛÝ 1»Ö³ä³÷Á` 2-4Ù·/İ·
 - Đ³½³ÛÇÝ é»ýÉ»ùëÇ ÁÝİ×áõÙ` 25Ù· Ý»ñÛÝä³÷áÖ³ÛÇÝ ÉáÖáí³İÇ Ù»ç (ETT), ³ë»ÖÁ Ý»ñÛáõÍáõÙÇó ³é³ç Ñ»é³óÝ»É
 - ÄEÝáõ½Ç³ 2·/500ÙÉ 1-4Ù·/ñáå» ³ñ³·áõÃÛ³Ùµ
 - ²ÛëåÇëáí` 15-60ÙÉ/Å³Ù
- ÍáÖÙÝ³İÇ ³½¹»óáõÃÛáõÝÁ.
 - ÈÇ¹áï³ÛÇÝ³ÛÇÝ ÇÝíáùëÇ³óÇ³ ùÝíáõÃÛáõÝ, å³ñ»ëÃ»½Ç³, óÝáõÙÝ»ñ, ·Çi³íõáõÃÛ³Ý ÙÃ³·ÝáõÙ
- Đ³İ³óáõóáõÙÝ»ñÁ.
 - ¹ñ³Ç³ñ¹Ç³ §PVC|·Ý»ñáí, ÉÛ³ñ¹Ç ýáõÝíõÇ³ÛÇ È³Ý·³ñáõÙ

Procainamide (Pronestyl®)

- »Ö³ÝÛáõÃÇ ¹³ëÁ.
 - ¹³ë I Ñ³ï³³éÇÃÙÇÏ
- ²¹/₂»óáõÃÛáõÝÁ.
 - è»ýñ³ï»ñ ÷áõÉÇ »ñ³ñ³óáõÙ
- ÎÇë³iñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 3-4 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - ä³ñáùëÇ½Ù³É í»ñ÷áñáù³ÛÇÝ i³ËÇi³ñ¹Ç³ (äìöî- PSVT), É³ÛÝ ïáÙåÉ»ùëáí i³ËÇi³ñ¹Ç³, Ý³Ë³ëñi»ñÇ ßáÖ³óáõÙ, WPW-Ñ³Ù³Ëi³ÝÇß



Procainamide ($\beta^3\text{NHOCH}_2\text{CH}_2\text{NHCOCH}_2\text{CH}_2\text{NH}_2$)

- » $\text{O}^3\text{N}^3\text{H}_2\text{C}^3=\text{C}^3\text{H}_2\text{N}^3\text{H}_2\text{C}^3=\text{C}^3\text{H}_2\text{O}^3\text{N}$.
 - Đ³-»óáõÙ` 20Ù·/ñáå» ÙÇÝä...
 - 2éÇÄÙÇ³ÜÇ ÁÝÍxáõÙ, ÑÇåáï»Ý½Ç³, QRS-Ç 50%-áí É³ÜÝ³óáõÙ, ÁÝ¹Ñ³ÝáõñÁ` 17Ù·/Í· (Ùáí³íáñ³å»ë 1 ·ñ³Ù) ¿ ïñíáõÙ
 - $\text{AEYyáõ}\frac{1}{2}\text{C}^3$ 2,0/500ÙÉ 1-4Ù·/ñáå» $^3\text{N}^3\text{H}_2\text{C}^3=\text{C}^3\text{H}_2\text{O}^3\text{N}$ (15-60ÙÉ/Å³Ù)
- ÍáÖÙÝ³ÍÇ $^3\frac{1}{2}^1$ »óáõÃÛáõÝÁ.
 - äñá³éÇÄÙÇÍ, QT-Ç »ñí³ñ³óáõÙ, ÑÇåáï»Ý½Ç³, å³iñ³ÝùÝ»ñ, §·³ÜÉ³Ëí³ÝÙ³Ý| $^3\text{Ei}^3\text{ÝC}\text{BÝ}$ »ñ
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - Procain/NAPA Ù³Í³ñ¹³ÍÇ ÑëÍáÖáõÃÛáõÝ ($^3\text{IiCí}$ Ù»í³µáÉÇÍ)
 - QT ÇÝí»ñí³ÉÇ ÑëÍáÖáõÃÛáõÝ
 - $\text{AEYyáõ}\frac{1}{2}\text{CáY}$ åáÙåÇ ÍÇé³éáõÙ

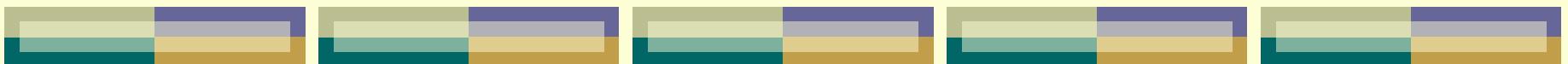


Amiodarone (Cordorone®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ,³ë III Ñ³Í³³éÇÃÙÇÍ
- ²½¹»óáõÃÛáõÝÁ.
 - °ñ³ñ³óÝáõÙ չ é»ýñ³í»ñ ÷áõÉÁ, »ñ³ñ³óÝáõÙ չ ·áñÍáÖáõÃÛ³Ý åáï»ÝóÇ³ÉÁ, Ýí³½»óÝáõÙ չ ¹»åáÉÛ³ñÇ½³óÇ³Ý (Ý³íñÇáõÙ/Í³ÉÇáõÙ ËáÖáí³Ý»ñÇ å³ß³ñÇã, ³Éý³ " µ»í³ å³ß³ñáõÙ)
- ÎÇë³íñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - ØÇÝä" 40 ûñ (Í³åíáõÙ չ ×³ñå»ñÇ " äåÇí³láõóÝ»ñÇ Ñ»ï)
- òáõóáõÙÝ»ñÁ.
 - öþ, öî, äìöî, ÙáõÉíÇýáí³É Ý³Ëëñí³ÛÇÝ í³ËÇí³ñ¹Ç³ (ØÜî-MAT), (Í³ÝË³ñ·»ÉÇã Ä»ñ³åÇ³Ý å»ïù չ 50%-áí Ýí³½»óÝÇ Üþ-Á ²îþ ïñ³ÍÑÇí³Ý¹Ý»ñÇ Ùáï)
- ĐÇí³Ý¹Ý»ñÇ åáåáõÉÛ³óÇ³Ý.
 - ²åñ»ÉÇáõÃÛáõÝÁ` 80% Amiodarone-áí, 20% Lidocaine-áí

Amiodarone (Β³ñáõÝ³íáõÃÚáõÝ)

- »Ó³ã³÷Á.
 - öP/³Ý^{1/2}³ñí öî - 300Ù· Ý/» βÇÃ³ÛÇÝ
 - ĐÇß»óáõÙ. Ù»Í ïñ³Ù³·ÍÇ³ë»Ö û·í³·áñÍ»ù` ÷ñ÷áõñÇ³é³ç³óáõÙÁ Ýí³_{1/2}»óÝ»Éáõ Ñ³Ù³ñ
 - Çí³ñí»É 150Ù· Éñ³óáõóÇä¹»Ó³ã³÷Ç ÍÇñ³éáõÙÁ, »Ã»³éÇÃÙÇ³Ý ãÇ³ ßíí»É
 - ²ÝáÃ³_{1/2}³ñíÇ³é³ÛáõÃÛ³Ùµ öî – 150Ù· Ý/» 10 ñáå»áõÙ
 - $\text{AE} \cdot \sqrt{\text{Y}}$ áõ^{1/2}Ç³
 - 360Ù· Ý/» 6 Å³ÙáõÙ (1Ù·/ñáå»)
 - ²ÛÝáõÑ»í, 540Ù· Ý/» 18 Å³ÙáõÙ (0,5Ù·/ñáå»)
 - Í³Ù... 900Ù·/500ÙÉ 33,3ÙÉ/Å³Ù, Ñ»íá 16,6ÙÉ/Å³Ù (6 .. 18 Å³Ù)
 - ²é³í»É³·áõÛÝ¹»Ó³ã³÷Á` 2,2 ·ñ³ÙÝ/» 24 Å³ÙáõÙ
- ÍáÖÙÝ³íÇ³_{1/2}¹»óáõÃÛáõÝÁ. ÑÇåáí»Ý^{1/2}Ç³, QT ÇÝí»ñí³ÉÇ » ñí³ñ³óáõÙ, µ³ó³ë³í³Ý ÇÝáïñáå ÿ»í, ýÉ»µÇí, ÄáùÇ³Ûïáõó, ↑ ÊÛ³ñ¹³ÛÇÝ ý»ñÙ»ÝíÝ»ñÇ, ÑÇåáÃÇñáÇ¹Ç^{1/2}Ù, ÄÇñ»áïáùëÇíá^{1/2}
- Đ³í³óáõóáõÙÝ»ñÁ.
 - äË³éÝ»É QT-Ý »ñí³ñ³óÝáÖ³ÉÛ¹»Ó³ÙÇçáóÝ»ñÇ Ñ»í



Adenosine (Adenocard®)



- „»Ö³ÝÛáõÄÇ¹³ëÁ.
 - Đ³Í³³éÇÄÙÇÍ
 - ^{21/21}»óáõÄÛáõÝÁ.
 - ²ÝÑ³ÛÍ ÿ, ¹³Ý¹³Ö»óÝáõÙ ï Ñ³Öáñ¹ä³Í³ÝáõÄÛáõÝÁ AV
Ñ³Ý·áõÛóáõÙ
 - ÎÇë³íñáÑÙ³Ý å³ñμ»ñáõÄÛáõÝÁ.
 - ï³ÛñÍÛ³ÝÝ»ñ
 - òáõóáõÙÝ»ñÁ.
 - Ü»Ö ïáÙåÉ»ùëáí äìöî
 - áÆ **ÞílåôØ** Üþ-Á, Ý³Ë³ëñí»ñÇ ÄñÃéáóÁ (ÜÂ), öî-Ý
 - ÊñáÝÇÍ³Í³Ý ëñí³ÛÇÝ ³Ýµ³í³ñ³ñáõÄÛáõÝ



Adenosine ($\beta^3\text{H}\text{AdoY}^3\text{I}\text{AdoA}^{\hat{U}}\text{AdoY}$)

- „»Ö³ä³÷Á.
 - 6Ù· Ý/» ßçä³ûçÝ 1-3íñÍ ÁÝÄ³óùáõÙ, ·çíÁ Éí³Ý³É 20ÙÉ 0,9% NaCl-áí
 - Đçß»óáõÙ. Ý³ë³å»ë å³íñ³ëí»É Éí³óÙ³Ý ñ»öáõläí Ý»ñ³ñÍçäÁ
 - ïñÍÝ³ïç 12Ù· ¹»Ö³ä³÷Á íñíáõÙ ï 1-2 ñáå» ³Ýó, »Ã» ñçí³Ý¹ç ³éçäüç³Ý äç ßüí»É
 - ⁰ñíñáñ¹ ïñÍÝ³ïç 12Ù· ¹»Ö³ä³÷Á 1-2 ñáå» ³Ýó Áëí ï³ñçùç
 - ïáöÙÝ³ïç ^{31/21}»óáõäûáõÝÁ.
 - „»ùùç ³ñûáõÝ³É»óáõÙ, ó³í ïñíù³í³Ý¹³ïáõÙ, ¹çëåÝá, ³ëçëäáéç³ ï³ù ìñ³¹ç³ñ¹ç³ (^{3/4}ê¶-ç Å³å³í»Ý³ûçÝ ·ñ³ÝóáõÙ)
 - Đ³í³óáõóáõÙÝ»ñÁ.
 - È³ûÝ ïáùåé»ùëáí öî, ¹»öáñ³ûù³ûçÝ i³ëç³ñ¹ç³

Diltiazem (Cardiazem®)

- „»Ö³ÝÛáõÃÇ 13ëÁ.
 - „³ë IV Ñ³Ï³³éÇÃÙÇİ (Ï³ÉóÇáõÙ³ÛÇÝ ËáÖáí³ÏÝ»ñÇ å³ß³ñÇã)
- 2½¹»ÓáõÃÛáõÝÁ.
 - ²ñ·»É³ÏáõÙ ¼ Ï³ÉóÇáõÙÇ ÇáÝÝ»ñÇ Ý»ñÑáëùÁ ëñï³ÙÏ³Ý .. Ñ³ñÃÙÏ³ÝÝ»ñ` 13Ý¹³Ö»óÝ»Éáí Ñ³Öáñ¹ã³Ï³ÝáõÃÛáõÝÁ
- òáõóáõÙÝ»ñÁ.
 - Ü³Ë³ëñï³ÛÇÝ ßáÖ³óÙ³Ý .. ÄñÄéáóÇ Ñ³Ý¹»å ÷áñáùÝ»ñÇ é»³ÏóÇ³ÛÇÑéïláÖáõÃÛáõÝ
 - äìöî

Diltiazem (Þ³ñáðÝ³ÍáðÃÛáðÝ)

- „»Ó³ã³÷Á.
 - Ð³·»óáðÙ` 0,25Ù·/Í· Ý/» 2 ñáå»Ç ÁÝÃ³óùáðÙ
 - Í³ñ»ÉÇ ½ ÍñÍÝ»É 15 ñáå» ³Ýó 0,35Ù·/Í· Ý/» 2 ñáå»Ç ÁÝÃ³óùáðÙ
 - Þ³ñáðÝ³Í³Ý ÇÝýáð½Ç³` 5-15Ù·/Å³Ù ïÇíñ»Éáí Áëí ê¼Å
 - Ê³éÝáðñ¹` 125Ù· 100ÙÉ ÉáðÍÇãáðÙ = 125Ù· 125ÙÉ
ÉáðÍáðÛÃáðÙ
- ÍáÐÙÝ³ÍÇ ³½¹»óáðÃÛáðÝÁ.
 - ÐÇåáï»Ý½Ç³
- Ð³Í³óáðóáðÙÝ»ñÁ.
 - Éáðë³÷»É ÍÇñ³éáðÙÇó §WPW! Ñ³Ù³Ëí³ÝÇßÇ, ëÇÝáðë³ÛÇÝ
Ñ³Ý·áðÛóÇ ÃáðÉáðÃÛ³Ý¹»åùáðÙ, µ»í³-å³ß³ñÇãÝ»ñ ëí³óáð
ÑÇí³Ý¹Ý»ñÇ Ùáï (ÑÇåáï»Ý½Ç³)

Digoxin

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - êñï³ÛÇÝ ·ÉÇÏá½Ç¹, ¹ñ³ï³Ý ÇÝáïñáå
- ²½¹»óáõÃÛáõÝÁ.
 - ²í»É³óÝáõÙ ï ïÛ³Ý áõÅÁ, Ýí³½»óÝáõÙ ï ê¼Å-Á` Çç»óÝ»Éáí
Ý³Ë³ëÇñï-÷áñáù³ÛÇÝ Ñ³Ý·áõÛóáõÙ Ñ³Õáñ¹ã³ï³ÝáõÃÛ³Ý
³ñ³·áõÃÛáõÝÁ
- òáõóáõÙÝ»ñÁ.
 - ³Ý¹³Õ»óÝáõÙ ï ÷áñáùÝ»ñÇ å³ï³ëË³ÝÁ Ý³Ë³ëñï»ñÇ ßáÕ³óÙ³ÝÁ
" ÄñÄéáóÇÝ
 - äìöî



Digoxin (B³-náõ-Y³-láõ-Ä-Uáõ-Y)

- »O³ä³-Ä.
 - D³-»óáõÙ` 0,5-1Ù· Y/» BÇÄ³ÜÇY, ³ÜYáõN»i» Ù»I³Ü¹åCëC¹» O³ä³- 6 Å³Ù³Yó (ëáíáñ³µ³ñ 1Ù·-Ä µ³í³ñ³ñ ð N³-»óÙ³Y N³Ù³ñ)
 - B³náõY³I³I³Y¹»O³ä³-Ä` 0,125-0,250Ù· 6ÅÙ³
 - D³Bí»É ð³ëi³-ñ»É .³.³A³ÜÇY ½³ñI»ñC ÄCíÁ Ù»I náå»áõÙ Y³Ëù³Y åñ»å³ñ³iC Y»ñ³ñIáõÙÁ
 - ØÇ³ÜY µ»ñ³Yáí iñíáOY ð ÇYáiñáå 3½¹»óáõÄÜ³Ùµ
- IáÖÙY³IÇ 3½¹»óáõÄÜáõYÁ.
 - ,Ç-Çi³ÉCë³ÜÇY ÇYiáùëC³öC³
 - §,»OÇY| i»ëáÖáõÄÜáõY, ðëËáõÙ, å³ñáùëC½Ù³É Y³Ë³ëñi³ÜÇY i³ËC³ñ¹C³ (äÜi-PAT) å³B³náõÙáí
 - áõÅáõÙÁ` Digibind® 400Ù·
- D³I³óáõóáõÙY»ñÁ.
 - ,Ç-Çi³ÉCë³ÜÇY ÇYiáùëC³öC³Y³é³I»É 3ñi³N³Üi³I ð NÇåáI³É» ÜÇ³Üáí NÇí³Y¹Y»ñC Ùáí
 - 60-90%-Ä 3ñi³½³IáõÙ ð »ñC³ÜY»ñáí

Propranolol (Inderal®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ,³ë II Ñ³Í³³éÇÃÙÇÍ (áã ë»É»ÍíÇí µ»Í³-å³ß³ñÇã)
 - §Generic! ³Ýí³ÝáõÙÁ í»ñç³ÝáõÙ ¿ §olol!-áí
- ²¹/₂»óáõÃÛáõÝÁ.
 - Üí³¹/₂»óÝáõÙ ¿ ê¹/₄Å-Á
- ÎÇë³íñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 2-4 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - äìöî, ëï»ÝáÍ³ñ¹Ç³, ÑÇå»ñï»Ý¹½Ç³

Propranolol (β³ñáõÝ³ïáõÃÛáõÝ)

- »Ö³ä³÷Á.
 - 0,1Ù·/í· ¹³Ý¹³Ö Ý/» ßÇÄ³ÛÇÝ μ³Ä³Ý³Í 3 ¹»Ö³ä³÷Ç 2-3 ñáå» å³ñμ»ñáõÃÛ³Ùμ
 - á·»ñ³¹/²³Ýó»É 1Ù·/ñáå» ¹»Ö³ä³÷Á
 - ï³ñ»ÉÇ ¿ ïñïÝ»É 2 ñáå» ³Ýó
- ïáÖÙÝ³ïÇ ³¹/²¹»óáõÃÛáõÝÁ.
 - ĐÇåáï»Ý¹/²C³ (¹Çñù³÷áË»É ¹³Ý¹³Öáñ»Ý), μñáÝËáëå³¹/²Ù, ·ÉÛáõïá¹/²³ÜÇ ³å³ïáÉ»ñ³ÝïáõÃÛáõÝ, ÑÇí³Ý¹Á Ý³Ëù³Ý É³í ¹/²·³ÉÁ ï³ñáÖ ¿ Çñ»Ý ³í»ÉÇ í³i ¹/²·³É, §¿Ý»ñ·Ç³ÛÇ|, ³éáõÛ·áõÃÛ³Ý å³ï³ëÇ ¹/²·³óáõÙ
- Đ³ï³óáõóáõÙÝ»ñÁ.
 - ²ëÃÙ³

Esmolol (Brevibloc®)

- »Ó³ÝÛáõÄÇ ¹³ëÁ.
 - ,³ë II Ñ³Í³³éÇÄÙÇÏ (µ»í³-å³ß³ñÇä)
- ²¹/₂»óõÄÛáõÝÁ.
 - Üí³¹/₂»óÝáõÙ ɿ ëñïÇ ½³ñÍ»ñÇ ÄÇíÁ
- ÎÇë³íñáÑÙ³Ý å³ñμ»ñáõÄÛáõÝÁ.
 - î³ñ× ɿ (2-9 ñáå»)
- òáõóáõÙÝ»ñÁ.
 - äìöî (Ý³Ë³ëñï»ñÇ ßáÖ³óáõÙ, Ý³Ë³ëñï»ñÇ ÄñÄéáó)
 - Ü»ñ- Í³Ù Ñ»íÇñ³Ñ³í³Ý ÑÇå»ñï»Ý¹½Ç³, ¼Ö µ³ñÓñ³óáõÙ

Esmolol (β³-náõ-Y³-láõ-Ã-Ú-náõ-Y)

- »O³a³-A.
 - 0,5-1 náå»C ÁYÃ³óùáõÙ
 - àñCó Ñ»iá` CÝyáõ½C³. 0,05-0,3Ù·/l·/náå» (I³Ù 50-300Ù/l·/l·/náå»)
 - E³eYáõñ¹ 2500Ù·/250ÙÉ
- IáOÙY³IÇ 3½¹»óáõ-Ã-Ú-náõ-YÁ.
 - DÇåái»Y½C³ (Ñ³I³å»ë, »A» IÇñ³éíáõÙ + I³ÉóCáõÙC³Y³·áYÇëiY»ñC Ñ»i Ñ³Ù³i»O)
- D³I³óáõóáõÙY»ñÁ.
 - I³ñ×³A³ÙI»i û·I³·áñIáõÙ 48 Å³Ù

Phenytoin (Dilantin®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - Đ³Ï³óÝóáõÙÝ³ÛÇÝ, „³ë I Ñ³Ï³³éÇÃÙÇÍ
- ²¹/₂»óáõÃÛáõÝÁ
 - Üí³¹/₂»óÝáõÙ ¿ ³íïáÙ³íÇ¹/₂ÙÁ
- òáõóáõÙÝ»ñÁ.
 - òÝóáõÙÝ»ñ, Ñ³Ï³³éÇÃÙÇÍ

Phenytoin (Þ³ñáðÝ³ïláðÃÛáðÝ)

- „»Ö³ð³÷Á.
 - Ü/»` 50Ù·/ñáå» ÙÇ³ÛÝ 0,9% NaCl-áí
- ÍáÐÙÝ³ïÇ ³¹/₂¹»óáðÃÛáðÝÁ.
 - ÐÇåáï»Ý¹½Ç³, µñ³¹Ç³ñ¹Ç³, ÉÝ¹»ñÇ ·»ñ³x, ó³Ý, §Ü³Ýáðß³ï³·áðÛÝ Ó»éÝáóÇ ³Ë³ÝÇß|
- Ð³ï³óáðóáðÙÝ»ñÁ.
 - ²ÝÑ³Ù³ï»Ö»ÉÇ ï, ß³ï ³ÛÉ ¹»Ö³ÝÛáðÃ»ñÇ Ñ»ï (µ³ñÓñ pH): ²Û¹ Çëï å³ix³éáí Ý»ñ³ñÍáðÙÇó Ñ»ïá 0,9% NaCl-áí ·ÇÍÁ É³í Éí³Ý³É



‘ñ³¹Çİ³ñ¹Ç³ÛÇ µáõÅÙ³Ý¹»
Ö³ÙÇçáóÝ»ñÁ

Atropine



- „»Ö³ÝÛáõÃÇ 1³ëÁ.
 - ä³ñ³ëÇÙå³íáÉÇíÇí
- 2½¹»óáõÃÛáõÝÁ.
 - ä³ß³ñáõÙ { ³ó}»ïÇÉËÉÇÝÁ, å³ß³ñáõÙ { Ä³÷³éáÖ ÝÛ³ñ¹Á;
³ÛëäÇëáí, µ³ñÓñ³óÝáõÙ { Ñ³Öáñ¹ä³í³ÝáõÃÛáõÝÁ AV
Ñ³Ý·áõÛóáí
- òáõóáõÙÝ»ñÁ.
 - 'ñ³¹Çí³ñ¹Ç³
 - 2ëÇëíáÉÇ³
 - ,³Ý¹³Ö^{23/2}
 - äÇ^{31/2¹}áõÙ 3-ñ¹ 3ëíÇ×³ÝÇ ëñíÇ å³ß³ñÙ³Ý 1»åùáõÙ

Atropine (Б³ñáõÝ³ÍáõÃÛáõÝ)

- »Õ³ã³÷Á.
 - 0,5-1Ù· Ý/» БÇÃ³ÛÇÝ 3-5 ñáå» å³ñµ»ñáõÃÛ³Ùµ µñ³¹ÇÍ³ñ¹Ç³ÛÇ ¹»åùáõÙ
 - 1Ù· Ý/» БÇÃ³ÛÇÝ 3-5 ñáå» å³ñµ»ñáõÃÛ³Ùµ ³ëÇëïáÉÇ³ÛÇ Í³Ù ¹³Ý¹³Ö ^{23/4²}¹»åùáõÙ
 - ¶áõÙ³ñ³ÛÇÝ ¹»Õ³ã³÷Á` 3Ù· ¿
 - Ü»ñßÝ³÷áÖ³ÛÇÝ ¹»Õ³ã³÷Á` 2-3Ù· 10ÙÉ 0,9% NaCl-áí
- ÍáÖÙÝ³ÍÇ ^{3½¹}»óáõÃÛáõÝÁ.
 - Í³ËÇÍ³ñ¹Ç³, µ»ñ³ÝÇ ãáñáõÃÛáõÝ, ëí³Ùáùë-³ÖÇù³ÛÇÝ ÍÍÍáÖ³Í³ÝáõÃÛ³Ý Çç»óáõÙ, Ù»½Ç ù³Ý³ÍÇ ÝÍ³½áõÙ, µµ»ñÇ É³ÛÝ³óáõÙ
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - êñí³ÙÍ³ÝÇ ÇÝy³ñÍ, ÑÇåáÃ»ñÙÇÍ µñ³¹ÇÍ³ñ¹Ç³, 3-ñ¹ ³ëíÇx³ÝÇ êñíÇ å³ß³ñáõÙ

Isoproterenol (Isuprel®)

- „»Ö³ÝÛáõÃÇ ¹³ëÁ.
 - ÆÝáïñáå, ËñáÝáïñáå, µñáÝË³É³ÛÝÇã
- ²¹/₂»óáõÃÛáõÝÁ.
 - Ø³ùáõñ µ»ï³-1 “ µ»ï³-2 ËÃ³ÝÇã
- ÎÇë³ïñáÑÙ³Ý å³ñµ»ñáõÃÛáõÝÁ.
 - 1-2 Å³Ù
- òáõóáõÙÝ»ñÁ.
 - ‘ñ³¹Çï³ñ¹Ç³ ¹»Ý»ñí³óí³Í ëñïáí ÑÇí³Ý¹Ý»ñÇ Ùáï (ëñïÇ ÷áËå³íí³ëïáõÙ), §torsades de pointes! (»ñµ Ù³·Ý»¹/₂ÇáõÙÝ³Ý³ñ¹ÛáõÝ³Í»ï ¿), µñ³¹Çï³ñ¹Ç³, »ñµ ¿É»ïñ³ëñï³ËÃ³ÝÇã ³éï³ ã¿

Isoproterenol (β³-ádrenális agonist)

- »O³a³-A.
 - AEYyád $\frac{1}{2}$ C³ 1U./250UÉ 2-20UÍ./ñáå»³N³-ádrenálisagonist
- IáOÜY³IÇ³ $\frac{1}{2}$ »óádrenálisagonist.
- D³I³óádóádÜY»ñA.
 - $\frac{1}{4}$ -ádrenálisagonist \hat{u} -I³-áñI»É, »A» ¿É»Iñ³ëñI³E³YÇäA Ü³iä» ÉÇ a¿

¾É»İñáÉÇİ³ÛÇÝ Ä»ñ³åÇ³



Calcium Chloride (CaCl_2)

- »Ó³ÝÛáõÃÇ 1³ëÁ.
 - ¾É»ïñáÉÇí³ÛÇÝ ßïláõÙ, é»í»ñëÇí 3½»óáõÃÛáõÝ
- 2½»óáõÃÛáõÝÁ.
 - ↑ ïíïÙ³Ý áõÅÁ ë³ñïáåÉ^{3½}Ù³ÛáõÙ
 - °í ¿ §ÑñáõÙ; ï³ÉÇáõÙÁ 1»åÇ µçÇç
- òáõóáõÙÝ»ñÁ.
 - ĐÇå»ñï³É»ÙÇ³, ÑÇåáï³Éó»ÙÇ³ (³ñÛ³Ý ÷áËÝ»ñ³ñïáõÙ), ï³ÉóÇáõÙÇ³Ýï³·áÝÇëïÝ»ñÇ ·»ñ¹á½³íáñáõÙ



Calcium Chloride (Þ³ñáõÝ³ïáõÃÛáõÝ)

- ,»Ó³ã³÷Á.
 - 8-16Ù·/í· Ý/» (10ÙÉ 10% ÉáõÍáõÛÃÇ 1/2-Çó 1 ëñí³ï)
- ÍáÕÙÝ³ïÇ ³¹/₂»óáõÃÛáõÝÁ.
 - ²ÝáÃ³ÛÇÝ ëå³¹/₂Ù
 - ĐÛáõëí³ÍùÝ»ñÇ Ù»éáõï³óáõÙ
- Đ³ï³óáõóáõÙÝ»ñÁ.
 - âË³éÝ»É Ý³ïñÇáõÙÇ µÇï³ñµáÝ³ïÇ Ñ»ï

Potassium Chloride (KCl)

- „Ó³ÝÛáõÃÇ ¹³ëÁ.
 - ¾É»ïñáÉÇí³ÛÇÝ ßïláõÙ
- ²¹/₂¹»óáõÃÛáõÝÁ.
 - ¹³ÉÇáõÙÇ Ù³ï³ñ¹³ïÇ ÝáñÙ³É³óáõÙ
 - Đ³ï³³éÇÃÙÇÍ ³¹/₂¹»óáõÃÛáõÝ
- òáõóáõÙÝ»ñÁ.
 - ĐÇåáï³É»ÙÇ³



Potassium Chloride (Þ³ñáõÝ³ÍáõÃÛáõÝ)

- ,»Ó³ã³÷Á.
 - 8-16Ù·/í· Ý/» (1/2-Çó 1 ëñí³Í` 10ÙÉ 10% ÉáõÍáõÛÄÇ)
- ÍáÕÙÝ³ÍÇ ³½¹»óáõÃÛáõÝÁ.
 - ä³ñ¿ëÃ»½Ç³Ý»ñ
 - ²éÇÃÙÇ³, ëñíÇ å³Þ³ñáõÙ, ëñíÇ Í³Ý·, ¾ê¶ ÷á÷áÉáõÃÛáõÝÝ»ñ, ÑÇåáï»Ý½Ç³
 - êñíË³éÝáó, ÷ëÉáõÙ, áñáí³ÛÝÇ ó³í, ÉáõÍ
 - þÝã³Í³Ý Í³Ý.
 - Đ»íÇÝýáõ½ÇáÝ ýÉ»µÇí, ÑÇå»ñÍ³É»ÙÇ³
- Đ³Í³óáõóáõÙÝ»ñÁ.
 - Í³Ýñ »ñÇí³Ù³ÛÇÝ ³Ýµ³í³ñ³ñáõÃÛáõÝ, ÑÇå»ñÍ³É»ÙÇ³

²ÜÉ ¹»Ö³ÙÇçáóÝ»ñ

Furosemide (Lasix®)

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - Í³ÝÃ³ÛÇÝ ÙÇ½³ÙáõÕ, Ñ³Í³ÑÇå»ñï»Ý½Çí
- ²½¹»óáõÃÛáõÝÁ.
 - ²½¹áõÙ ɿ ÉáÖáí³ÍÇÍÝ»ñÇ ë½µÝ³Í³Ý .. í»ñçÝ³Í³Ý Ñ³Í³ÍÝ»ñÇ .. Đ»ÝÉ»Ç í»ñ»É Í³ÝÃÇ íñ³` ³ñí³½³í»Éáí çáõñÁ, Ý³íñÇáõÙÁ .. Í³ÉÇáõÙÁ
- ²½¹»óáõÃÛ³Ý Å³ÙÍ»ÍÁ.
 - êlëáõÙ ɿ ³½¹»É 15 ñáå» ³Ýó
- òáõóáõÙÝ»ñÁ.
 - ÅáùÇ ³Ûïáõó, ÑÇå»ñïáÝÇÍ ÍñÇ½, ↑Ý»ñ·³Ý·³ÛÇÝ ×ÝßáõÙ (Ü¶Ö-ICP), Èê²

Furosemide ($\beta^3\text{ñá} \tilde{\text{o}} \text{Y}^3\tilde{\text{i}} \text{á} \tilde{\text{o}} \tilde{\text{A}} \tilde{\text{U}} \tilde{\text{a}} \tilde{\text{o}} \text{Y}$)

- » $\tilde{\text{O}}^3\tilde{\text{a}}^3\tilde{\text{d}}\tilde{\text{A}}$.
 - 20-40 $\text{U}\cdot\text{Y}/\text{g}$ $\beta\text{C}\tilde{\text{A}}^3\tilde{\text{U}}\text{C}\tilde{\text{Y}}$ 20 $\text{U}\cdot/\text{ñá} \text{a} \text{a}$ $^3\tilde{\text{n}}^3\cdot\tilde{\text{a}} \tilde{\text{o}} \tilde{\text{A}} \tilde{\text{U}}^3\tilde{\text{U}}\mu$
 - $\text{AE}\text{Y}\text{y}\text{a} \tilde{\text{o}} \frac{1}{2}\text{C}^3$ 1-5 $\text{U}\cdot/\text{A}^3\tilde{\text{U}}$, 1 $\text{U}\cdot/\text{U}\text{E}$ $\tilde{\text{E}}\tilde{\text{i}}\tilde{\text{a}}\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{U}}^3\tilde{\text{U}}\mu$
- $\tilde{\text{I}}\tilde{\text{a}}\tilde{\text{O}}\tilde{\text{U}}\tilde{\text{Y}}^3\tilde{\text{i}}\tilde{\text{C}}\tilde{\text{ }}^3\frac{1}{2}\tilde{\text{1}}\tilde{\text{}}\tilde{\text{o}}\tilde{\text{a}}\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{o}}\text{Y}\tilde{\text{A}}$.
 - $\text{D}\text{C}\text{a}\text{a}\text{i}\text{Y}\frac{1}{2}\text{C}^3$, $\text{N}\text{C}\text{a}\text{a}\text{a}\text{Y}\text{E}\text{U}\text{C}^3$, $\text{N}\text{C}\text{a}\text{a}\text{I}^3\text{E}\text{U}\text{C}^3$, $\text{E}\text{E}\text{a}\text{a}\text{ñ}\text{C}\text{Y}\text{i}\text{ñ}\text{c}\text{a}\text{a}\text{O}\text{U}\text{A}\text{Y}\text{ñ}\text{C}\text{ }\text{ç}\text{O}^3\text{O}\cdot\text{a}\text{a}\text{O}\text{U}\text{Y}\text{ñ}\text{C}$, $\text{E}\text{B}\text{B}\text{a}\text{a}\text{O}\text{I}^3\text{Y}\text{ç}\text{Y}\text{ñ}\text{a}\text{a}\text{O}\text{U}$, $\text{E}\text{E}\text{a}\text{a}\text{O}\text{U}\text{a}\text{a}\text{O}\text{Y}$
- $\text{D}^3\text{I}^3\text{O}\text{a}\text{a}\text{O}\text{a}\text{O}\text{U}\text{Y}\text{ñ}\text{A}$.
 - $^3\tilde{\text{n}}\tilde{\text{O}}\tilde{\text{n}}\text{ pH-C}\text{ }\text{a}^3\tilde{\text{I}}\times^3\text{e}\text{a}\text{a}\text{I}^3\text{Y}\text{N}^3\tilde{\text{U}}^3\tilde{\text{I}}\tilde{\text{o}}\tilde{\text{O}}\tilde{\text{E}}\text{C}\text{ }\text{z}\text{ }\beta^3\text{i}^1\tilde{\text{o}}\tilde{\text{Y}}\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{o}}\tilde{\text{A}}\text{ñ}\text{C}\text{N}\text{ñ}\text{i}\text{Y}\text{ñ}\text{ñ}\text{I}\text{a}\text{O}\text{U}\text{C}\text{ó}\text{N}\text{ñ}\text{i}\text{a}\text{C}\text{I}\text{A}\text{E}^3\text{i}\text{E}\text{I}^3\text{Y}^3\text{E}$
 - $\text{a}\text{a}\text{O}\text{A}\text{O}\text{O}\text{Y}\text{a}\text{a}\text{O}\text{U}\text{z}\text{ }\text{I}^1\text{C}\text{·}\text{a}\text{a}\text{u}\text{e}\text{C}\text{Y}\text{C}\text{ }\text{I}\text{a}\text{u}\text{e}\text{C}\text{I}^3\frac{1}{2}\tilde{\text{1}}\tilde{\text{o}}\tilde{\text{a}}\tilde{\text{o}}\tilde{\text{A}}\tilde{\text{U}}\tilde{\text{a}}\tilde{\text{o}}\text{Y}\tilde{\text{A}}$

Oxygen

- O_2 »óáõÃÛáõÝÁ.
 - Ò³Ë Ä»ùáõÙ = O_2 + O_2 - ÇÓ Ññ³Å³ñí»ÉÁ
 - O_2 »óáõÙ = O_2 + O_2 - ÇÓ Ññ³Å³ñí»ÉÁ
- òáõóáõÙÝ»ñÁ.
 - ÍñÍù³Í³Ý¹³ÍÇ ó³íáí µáÉáñ ÑÇí³Ý¹Ý»ñÁ (**MONA** - Morphine, **Oxygen**, **Nitrates**, **Aspirin**)
 - ÐÇåûùë»ÙÇ³Ûáí áõÖ»ÍóíáÖ O_2 »ÉÇ íÇx O_2 »ñÁ
- , » O_2 ã³÷Á.
 - 21-100%
- ÍáÖÙÝ³ÍÇ O_2 »óáõÃÛáõÝÁ.
 - ÅÄí³ÍÝ³ÛÇÝ ÅáõÝ³íáñáõÙ
- Ð³Í³ÓáõóáõÙÝ»ñÁ.
 - O_2 »ù ÅÙ»ñÅ»É ÅÄí³ÍÇ ÍÇñ³éáõÙÁ
 - äáõÉëûùëÇÙ»ïñÇ³ÛÇ ïíÛ³ÉÝ»ñÁ »ñµ»ÙÝ Í³ñáÖ »Ý xß·ñÇí ãÉÇÝ»É (í³½áÍáÝëïñÇíöÇ³ÛÇ Í³Ýñ ¹»åù»ñáõÙ)

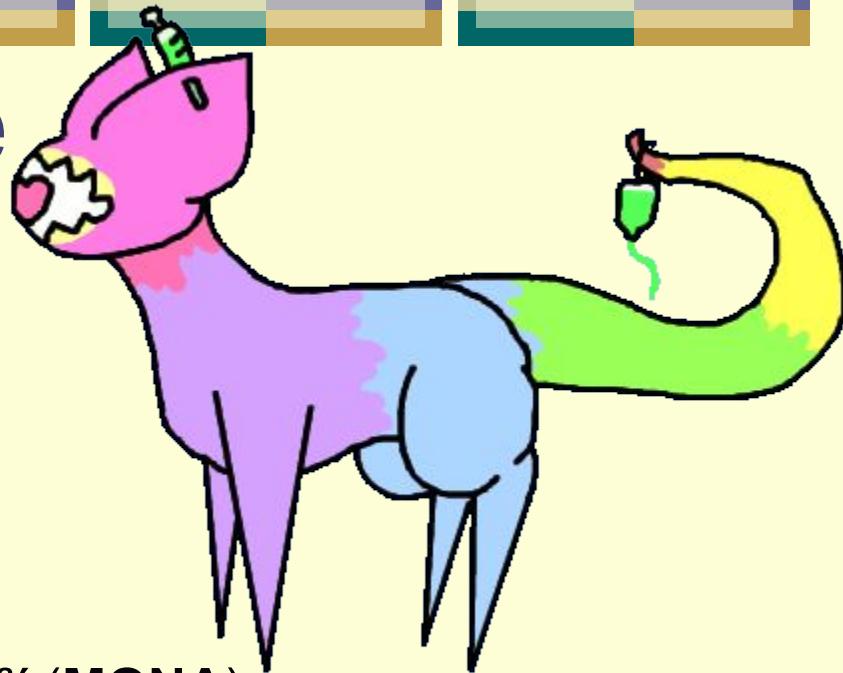


Sodium Bicarbonate

- „»Ö³ÝÛáõÃÇ ¹³ëÁ.
 - ĐÇÙÝ³ÛÝ³óÝáÕ ¹»Ö³ÝÛáõÃ
- ²¹/₂»óáõÃÛáõÝÁ.
 - öáË³½¹áõÙ ɿ çñ³ÍÝÇ ÇáÝÝ»ñÇ Ñ»í` Ý³½»óÝ»óÝ»Éáí ÄÄí³ÛÝáõÃÛáõÝÁ
- òáõóáõÙÝ»ñÁ.
 - Ø»í³µáÉÇÍ ³óÇ¹á½, ÑÇå»ñí³É»ÙÇ³, ¹Ç³µ»íÇÍ í»íá³óÇ¹á½, »ñí³ñ³í` í»ñ³í»Ý³Ý³óáõU (?)
- „»Ö³ã³÷Á.
 - 1Ù³¾í/í·Ý/, íñÍÝ»É ëñ³ í»ëÁ 10 ñáå» å³ñµ»ñáõÃÛ³Ùµ
- ÍáÕÙÝ³ÍÇ ³½¹»óáõÃÛáõÝÁ. ÑÇå»ñÝ³íñ»ÙÇ³, ³Éí³Éá½
- Đ³í³óáõóáõÙÝÝ»ñÁ.
 - ÉáñÑáõñ¹ ãÇ íñíáõÙ í³Ý·Ç ¹»åùáõÙ §ëáíáñáõÛÃ³ÛÇÝ| ÍÇñ³éáõÙÁ
 - ĐëÍ»É ½³ñí»ñ³í³ÛÇÝ ³ñÛ³Ý ·³½³ÛÝ í³½ÙÁ` Ù»í³µáÉÇÍ åñáyÇÉÁ
 - Ü/» ·ÇÍÁ É³í Éí³Ý³É, Ñ³íí³å»ë í³ÉóÇáõÙÇ åñ»å³ñ³íÝ»ñÇó Ñ» íá

Morphine

- »Ó³ÝÛáõÃÇ ¹³ëÁ.
 - Ü³ñïáïÇÏ ³Ý³É·»ïÇÏ
- ²¹/₂¹»óáõÃÛáõÝÁ.
 - ÎÜÐ ÁÝïxáõÙ, ³ÝáÃ³É³ÛÝÇã
- òáõóáõÙÝ»ñÁ.
 - ò³í, ÄáùÇ ³Ûïáõó, ïñÍù³í³Ý¹³ïÇ ó³í (**MONA**)
- »Õ³ä³÷Á.
 - 2-5Ù· Ý/» 5-30 ñáå» å³ñµ»ñáõÃÛ³Ùµ
- ÎáÖÙÝ³ïÇ ³¹/₂¹»óáõÃÛáõÝÁ.
 - þÝä³ï³Ý ï»ÝïñáÝÇ ÁÝïxáõÙ` Narcan®-Ç Ù³ïä»ÉÇáõÃÛáõÝ, ÑÇåáï»Ý¹½Ç³



Insulin

- „»Ö³ÝÛáõÃÇ ¹³ëÁ.
 - Đ³Í³¹Ç³µ»ïÇÍ
- ²¹/₂»óáõÃÛáõÝÁ.
 - Üå³ëïáõÙ ½ ·ÉÛáõÍá½³ÛÇ ÷áË³Í»ñåÙ³ÝÁ ·ÉÇÍá·»ÝÇ, NCÍ³Ý'Ý»ñÇ » ÉùÝ³í»ÉÇ É³í ½ ·ÉÛáõÍá½³ÛÇ <110Ù·% ¹»åùáõÙ
- òáõóáõÙÝ»ñÁ.
 - P, ¹Ç³µ»ïÇÍ Í»ïá³ÓÇ¹á½, ÑÇå»ñÍ³É»ÙÇ³, §TPN!-Ç Ñ»ï
- „»Ö³ä³÷Á. ¶ÆíºÜ²È ëáíáñ³Í³Ý ½ ëáõëå»Ý½ÇáÝ ÇÝëáõÉÇÝÝ»ñÇ ³¹/₂» óáõÃÛ³Ý Å³Ù³Ý³ÍÝ»ñÁ (í»Ö»Í³Ý³É Ýß³Ý³ÍÙ³Ý Ä»ñÄÇÍÇó)
 - Ü/» ½ /Ù
- ÍáÖÙÝ³ÍÇ ³¹/₂»óáõÃÛáõÝÁ. ¶ÆíºÜ²È ÑÇåá- ½ ÑÇå»ñ·ÉÇÍ»ÙÇ³ÛÇ³Ëí³ÝÇßÝ»ñÁ
 - ĐÇåá·ÉÇÍ»ÙÇ³
- ¼·áõß³óáõÙ.
 - ÍñÍÝ³ÍÇ ëïáõ·áõÙ Ù»Í³ÛÉ Ñ³ëïÇù³ÛÇÝ µáõÅùñáç Ñ»ï
 - ¶ÉÛáõÍá½³ÛÇ Ù³Í³ñ¹³ÍÇ ÑëÍáÖáõÃÛáõÝ



»Ó³ã³÷Ç ïÇïñáõÙÁ

- **ÎÇİñ³ÓÇ³Ý** Ý/» ÇÝyáõ½Ç³ÛÇ ³ñ³·áõÃÛ³Ý
ï³ñ·³íáñáõÙÝ ¿` Ñ³Ù³å³ï³ëË³Ý ..³ÝÑñ³Å»ßi ï»
Ýë³óáõó³ÝÇß³ÛÇÝ Ù³ï³ñ¹³ï ³å³Ñáí»Éáõ Ýå³ï³láí:
,ñ³ Ñ³Ù³ñ å»ïù ¿.
 - **ÆÙ³Ý³É** ¹»Ö³ÙÇçáóÇ ³¹/₂¹»óáõÃÛáõÝÁ ..ïÇñ³éÙ³Ý
ÁÝ¹áõÝí³Í ßù³Ö³ù³ï³ÝáõÃÛáõÝÁ!
 - **ÆÙ³Ý³É** ¼Ö ..ê¼Â ×ß·ñÇi Ù³ï³ñ¹³ïÁ
 - **î³ñ·³μ**»ñ»É ÙáÝÇiáñÝ»ñÇ ï³·Ý³å³ÛÇÝ Ñ³Ù³ï³ñ·Á
 - **²ñáÙ³ï** Ý»ñ³ñlÇäÝ»ñÁ ..í³í³É³ÛÇÝ åáÙå»ñÁ Å³Ù³ï³Ý í»
ñëiáõ·»É` ×ßi»Éáõ Ñ³Ù³ñ, Ä» áñù³Ý åñ»å³ñ³i ¿ û·ï³·áñlí»É 1
Å³ÙáõÙ
 - **Þ³ñáõÝ³ï³Ý** Ý»ñ³ñlÙ³Ý ¹»Ö³ã³÷»ñÁ ³í»É³ÓÝ»É ï³Ù å³ï³ë»
óÝ»É ÷áùñ ù³ÛÉ»ñáí

ºÍ»Ù, ³ÙµáÖçÁ ÙÇ³íáñ»Ýù

- ĐÇÍ³Ý¹
- ´áõÅùáõÛñ
- ´ÅÇßÏ
- ,»Õ³µ³ÝáõÃÛáõÝ
- àõó»óáõÛó
- ÆÝýáõ½ÇáÝ åáÙå
- ²íïáÙ³í Ý»ñ³ñïÇã
- ØáÝÇïáñÇÝ·



2Ù÷á÷áõÙ

§ÐÇÝ| 1»Õ³ÙÇçáóÝ»ñÁ Í³ñáÕ »Ý
³ëå³ñ»½Çó Ñ»é³Ý³É, »ñµ ·³ÉÇë »Ý
§Ýáñ»ñÁ!

- àñáß §ÑÇÝ| 1»Õ³ÙÇçáóÝ»ñ Í³ñáÕ
»Ý ÍñÍÇÝ í»ñ³¹³éÝ³É " ÍÇñ³éí»É

