



# **MUSC3705**

DYfZcfa UbW @UVcfUhcfm7

HYfa 'CbY''##'&\$&\$

## 7 ci fgY<sup>-</sup>Cj Yfj ]Yk

## `GHJZZ`7cbHJWh`8YHJ]`g`

#### '7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
>c\b`BUd]Yf		: f]XUm'‰! ½zcf'Vm Uddc]bha Ybhžcf Xfcd`]b	K YVghYf`%%	-',)*-)'

#### GWXcc``7cbHJWhi=bZcfaUhjcb

Fcca '' &&ž`Yj Y`'' FcVYfhK YVghYf6i ]`X]b[

D\cbY.`f\$&Ł`-',)`(,)\*

9a U]`. <u>'gUa 4 i bgk "YXi "Ui</u>

K YVg]hY. <u>http://t</u>

H\Y'GW\cc``cZh\Y'5fhg'UbX'AYX]U'k ci `X``]\_Y'hc'FYgdYWb2 ``m5W\_bck `YX[Y'h\Y'HfUX]h]cbU``7i ghcX]Ubgž h\Y'6YXY[U``fPYbg]b[hcb'WJa di głž; UX][U``f7]hm'UbX'5fh/ '8Yg][b'7Ua di gYgŁ'UbX'h\Y'B[i bbUk U` dYcd'Y'fБi ghfU`]Ub'8YZYbW': cfW'5WJXYam']b'7UbVYffUŁcZh\Y``UbXg'k\YfY'YUW\'WJa di g'cZI\_BGK ']g `cWJhYX"

## 7ci fgY<sup>·</sup>8YHJ]`g

## 7 fYX]hDc]bhg (

## Gi a a UfmcZh\Y'7ci fgY

#### Gi V Y Wri5 f Y U. ?? ge [U B Wolfa d\_ S` UWI ? ge [U 7` e W\_ T W

H\Y'UWei ]g]h]cb'cZ\][\`mXYj Y'cdYX'We``UVcfUh]j Y'UbX'dfYgYbhUh]cb'g\_]``g']g']bWfYUg]b[`m]a dcfhUbh]b WebhYa dcfUfma i g]Wa U\_]b[`UbX'h\i g'fY`Yj UbhZcf'h\Y'dfY!dfcZygg]cbU``HfU]b]b[`cZU```gh XYbhg`]b'U`` a U'cfg'cZh\Y'6A i g'dfc[ fUa "'A I G7' +\$) DYfZcfa UbWY @UVcfUhcfm'7 `]g'h\Y'h\]fXz'UbX'Z]bU`z'DYfZcfa UbWY @UVcfUhcfmWei fgY'Zcf'gh XYbhg'Ybfc``YX']b'h\Y'A i g]We`c[ mUbX'Gcb]W5fhg'a U'cfg'cZh\Y'6UWXY'cf'cZ A i g]Wdfc[ fUa "'H\]g'Wei fgY'Vi ]'Xg'cb'h\Y'hYWb]WU``UbX'WfYUh]j Y'Zci bXUh]cbg'XYj Y'cdYX']b'YUf]Yf DYfZcfa UbWY @UVcfUhcfmWei fgYgz'UbX'h\Y'Uk UfYbYgg'cZU'fUb[ Y'cZa i g]WU``[ YbfYg'UbX'dfUWf]Wf'g YbWei bhYfYX']b'ch\Yf'Wei fgYg']b'h\Y'a i g]Wdfc[ fUa "'Ghi XYbhg``YUfb'hc 'Udd`mWf]h]WU``]ghYb]b[`'UbX fYUX]b[ g'cZdYfZcfa UbWY ``]hYfUhi fYz'UbX'[ U]b'g\_]``g'UbX'YI dYf]YbWf']b'h\Y'XYj Y'cda YbhUbX'W fUhcfg\]d'cZ ]bbcj Uh]j Y'[ fci d'dYfZcfa UbWfg"

**Bch**Y. ``H\]g`]g`U`%&`LC7`WcifgY''`Mci`k]``Ybfc``]b`(`LC7`]b`YUW\`cZh\fYY`giWW\gg]jY`hYfag`k]h`U`fYgi`h fYdcfhYX`VmU`g]b[`Y`[fUXY`Uhih`Y`YbX`cZh`Y`h`]fX`(`LC7`WcifgY''

## 7cifgY`@YUfb]b[`CihWcaYg

- % 5dd`mW]hWga UbX`UbU`mg]g`cZh\Y``]hYfUhi fY`cb`dYfZcfa UbWfžUbX`cZa UghYf`WUgg`dfYgYbhUh]cbgž hc`h\Y`dfYdUfUh]cb`cZh\Y]f`ck b`dYfZcfa UbWf
- &" 8Yg][b`UbX`dfYgYbhYZZYWf]jY`YbgYaV`Y`aUhYf]U``UbX`dYfZcfaUbWfg
- ' " 5dd`mdf]bW]d`Yg`cZhYUa k cf\_`tc`a i g]WYbgYa V`Y

#### HYUW ]b[ GhfUhy[ ]Yg

Ghi XYbhgfidYfgcbU``g\_]``g`]b`dYfZcfa UbWY`cf`Wea dcg]h]cb`k`]```VY`XYj Y`cdYX`h\fci [\`cbY`cb`cbY Webgi `hUh]cbg`k`]h``gdYVJU`]ghih hcfg`Q`1`%\ci f`YUWX`hf]a YghYfQ``+b`k cf\_g\cdg`Q`1`%')``\ci fg`YUVX hf]a YghYfQ``]bghfi a YbhU``UbX`j cWU``ghi XYbhg`k`]```[U]b`dYfZcfa UbWY`YI dYf]YbWYžk \]`Y`Wea dcg]h]cb`ghi XYbhg k`]``VYWea Y`ZJa`]`]Uf`k`]h``]ggi Yg`UZZYWf]b[`dYfZcfa UbWY`UbX`dYfZcfa UbWY`dfYdUfUh]cb''``K cf\_g\cd`gYhf]b[`g k`]``U`gc`gi ddcfhYb[`U[`Ya Ybhk`]h``]ggi Yg`WebWYfb]b[``a i g]VJUbgfi\YU'h``UbX`k Y``VY]b[`žh\Y`XYj Y`cda Ybh cZghU[`Y`WebXi Wbz`UbX`Ub`Y`Ya YbhcZdYYf`cVgYfj Uh]cb`Zef`gdYVJU`]ghdYfZefa UbWY`UbX`Wea dcg]h]cb [`fci dg''`Ghi XYbhg`k`]```UhhYbX`a UghYfWUggYg`YX`Vmj`]g]h]b[`YI dYfhg`]b`U`fUb[`Y`cZa i g]WU``]bghfi a Ybhgž j`c]WYg`UbX`ghmYgžYbWei fU[`]b[`ghi XYbhg`hc`XfUk``]b\_g`UbX`Wea dUf]gcbg`k`]h``h\Y]f`dYfgcbU``ghi X]Yg QW\ccg]b[`(`1`&`\ci fg`Zca `U`k`]XY`fUb[`Y`cZa i g]WU``ghmYg`UbX`W``hi fYg`UbX`dUfh]W]dUhY`]b`X]fYWYX YbgYa V`YgžVN\ccg]b[`Zfca `U`k`]XY`fUb[`Y`cZa i g]WU``ghmYg`UbX`W``hi fYg`UbX`dUfh]W]dUh]b[`]b`U`Z]bU` dYfZefa UbWY`]b`YUW\`hf]a YghYf`Q`1`&\ci fg`fY\YUfgU'g]]b`YUW\`hf]a YghYfQ

## 5ggYgga Ybh

D`YUgY`fYZYf`hc`h\Y`XcW a Ybhcb`h\Y`dYfZcfa UbWY`hUg\_`cb`h\Y`A ccX`Y`g]hY`Zcf`h\]g`Wci fgY"

H\YfY`]gʻbcʻdfcj]g]cbʻcfʻfYei]fYaYbhZcfʻdf]jUhYʻhi]h]cbʻk]h\`Ubʻ]bghfiaYbhU`žʻWcadcg]h]cbU`ʻcfʻjcWU` hYUVXYf`]bʻh\]gʻWcifgY"'Nci`UfY`cZWcifgY`kY`WcaY`hcʻibXYfhU\_Y`giVX`hi]h]cbž'Vihi]h]gʻbY]h\Yf`UggYggYX bcfʻZbXYX"'

## 5ggYgga YbhHUg\_g

5ggYgga YbhHJg_	K Y][ \h	8iY`8UhY	Gh XYbh@YUfb]b[ CihWcaYg5ggYggYX
9bgYa V`Y`Wcblf]Vi h]cbž dYfZcfa UbWYgždUfhWXYW_]b[ hYgh	&\$1	9bgYa V`Y`dUfh`WXYW_]b[ bcfa U``mihc`VY`Wca d`YhYX`Vm h\Y`YbX`cZk YY_`%%cZYUWX hYfa	,
DYfZcfa UbWY`dcfhZc`]c`	%) ı	: ]fghidUfhiXi Y`+h\`5i [i gh' GYWcbX`dUfhiXi Y`&\$h\ Bicj Ya VYf	%
DYfZcfaUbW#dfYgYbfUhjcb	' ) I	⊕`Ugg][ bYX`k YY_g`]b`H%`UbX H'	%ž&
:]bU``DfcY₩i	' \$I	gYY`XYHJ]`g`VY`ck	%ž&

## 5ggYgga Ybh8YHJ]`g

#### 5ggYgga Ybh% 9bgYa V`Y'Wcblf]Vi h]cbždYfZcfa UbWygždUfhWXYW\_]b[ 'hYgh

GHJfh'XUHY.

**8YHJ]`g**. '9bgYa V`Y`dUfHWXYW\_]b[`k]``VY`i bXYfHJ\_Yb`]b`H%z`H&`UbX`H' "`=bX]j ]Xi U``mcf`]b`ga U```[ fci dgž ghi XYbhg`k]``dYfZcfa 'k cf\_gžcf`YI WYfdhg`cZk cf\_gžghi X]YX`UbX`dYfZcfa YX`Xi f]b[`H\Y`Hf]a YgHYf''`K \YfY Uddfcdf]UhYžYI WYfdhg`k]``VY`gY`YWYX`Vmh\Y`dUfHWXYW\_]b[`YI Ua ]bYf"8]fYWiZYYXVUW\_`Xi f]b[`fY\YUfgU`g UbX`k cf\_g\cdg`UbX`U`Zcfa U``fYdcfhUhH\Y`WcbWi g]cb`cZh\Y`gYgg]cb"`Ghi XYbhgfWcbHf]Vi h]cb`hc`YbgYa V`Y dYfZcfa UbWYg`UbX`k cf\_g\cdg`k]``VY`UggYggYX`h\fci [\`U`dUfHWXYW\_]b[`YI Ua ]bUh]cb"

#### 5ggYgga Ybh& DYfZcfa UbW/dcfhZc`]c

#### GHUfh'XUHY.

8YHU]`g. HkcidcfhZc`]cgicZUbbcHUHYXigcifWYiaUHYf]U``igYXi]bidYfZcfaUbWYidfYdUfUHjcbifV]V`]c[fUd\mž X]gWc[fUd\mžj]XYc[fUd\miUbXibcHYgicbiUh`YUghi(iaUgHYf!WUggYgŁ"DcfhZc`]cgik]``VYigiVa]HHXih\fci[\ Hifb]h]biUbXiaUf\_YXiVmih\Y``YWhifYf"

#### 5ggYgga Ybh'. DYfZcfa UbW(#dfYgYbHJh]cb

#### GHUfh'XUHY.

8YHJ]`g. `H\fYY`]b!WUgg`dYfZcfa UbWfg`UbX`Ub`]b!WUgg`WcbXi Wfjb[ `HYgh'gWUZc`X]b[ `UggYgga Ybh'HUg\_

("Gdc\_Yb'ZYYXVUW\_'k]```VY`[]j Yb'VmH\Y``YWi fYf']b'WUggž'UbX'k f]HYb'ZYYXVUW\_'g\cfhmUZhYf"

#### 5XX]h]cbU``XYHJ]`g.

H\]gʻWcadcbYbrik]```U`gc`]bWiXY`U`g\cfhWcbXiWf]b[`YIUaž`\Y`X`]b'h\Y`Z]bU``ghiX]c`cZH&"`

Ghi XYbhgʻk ]``XcʻUʻa ]b]a i a ʻcZ%]b!WUggʻdYfZcfa UbWf]bʻH%UbXʻ&`]b!WUggʻdYfZcfa UbWfgʻ]bʻH&"'H\YgY dYfZcfa UbWfgʻUfY`[ fci dʻdYfZcfa UbWfgžUgʻbchYXʻZcfʻUggYgga YbhHUg\_`("

#### 5ggYgga Ybh ( : ]bU`Dfc YWh

#### GHUfh'XUHY.

**8YHJ]`g.**; fci d`dYfZcfa UbWY`cf`di V`]Wmg\ck b`j ]XYc"`K f]HHYb`ZYYXVUW<u>`</u>k ]``VY`dfcj ]XYX`VmH\Y YI Ua ]bYffgE'H\]g`]g`H\Y`Z]bU``UggYgga Ybh

#### 5XX]h]cbU``XYHJ]`g.

Ghi XYbhgʻk ]``k cf\_`]bʻUʻga U```[fci dʻhcʻWYUhYʻUʻdYfZcfa UbWYʻcZ%\$!%) `a ]bi hYgfiXi fUhJcb"`H\]gʻa UmVY []j YbʻUgʻU``]j YʻdYfZcfa UbWYʻcfʻUgʻUʻj ]XYc"`H\YʻdfYgYbhUhJcbgʻk ]``VYʻ\Y`X'Y]h\Yf`]b`K YY\_'%\$ž]bʻh\Yʻi gi U` `YWhi fYʻhJa Yžcf`]bʻUʻgYdUfUhYʻYj Ybhžgi VʻYWhihcʻUffUb[Ya Ybhk]h\Yʻ7 fYUhJj YʻDfUWJWY`@UVcfUhcfmžcfʻhc ghi XYbhcf[Ub]nUhJcb"

## FYgci fWg

## DfYgWf]VYX F Ygci fWYg

BchUjU]`UV`Y

## FYWca a YbXYX FYgci fWYg

BchUjU]`UV`Y

## 7 ci fgY 9j U`i Uh]cb UbX 8 Yj Y`cda Ybh

: YYXVUW\_`cb`h\Y`WcifgY`k]``VY`aUXY`h\fci[\`h\Y`am9IdYf]YbWY`EiYgh]cbU]fY"`H\]g`]g`U`bYk`WcifgY"`≢g WcbhYbhUbX`hYUW\]b[`aYh\cXg`\UjY`VYYb`g\UdYX`dUfhmi]b`fYgdcbgY`hc`YjU`iUh]cb`cZYUf`]Yf`DYfZcfaUbWY Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

### 5WUXYa ]W<cbYghmUbX^D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"`+i\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UVW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWf`k ]h\ci hUW\_bck `YX[ Ya Ybh'

IBGK '[fcidg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck]b['WUhY[cf]Yg.

7 cdm]b[..'i g]b['h\Y'gUa Y'cf'j Yfmig]a ]`Uf'k cfXg'hc'h\Y'cf][]bU``hYI h'cf']XYU'k ]h\ci hUW\_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'UfhUbX'XYg][b'dfc'YWrgž'Ug'k Y```Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]h"

=ðUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`ž`UbX`]bZcfa Uh]cb`k]h\ci hUW\_bck`YX[Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b[`"

7 c``i g]cb. 'k cf\_]b[ 'k ]h 'ch Yfg'Vi hdUgg]b[ 'cZh Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'Ubch Yf'gh XYbhVYZcfY'h Y'Xi Y'XUHYžcf'Zcf'h Y'di fdcgY'cZh Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UWei ]f]b[ Ubch Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hž'cZYf]b[ 'hc'Wca d`YhY'Ubch Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

=bUddfcdf]UhY`W]hUh]cb.`7]h]b[`gcifWYg`k\]W\`\UjY`bchVYYb`fYUXžk]h\cihUW\_bck`YX[]b[`h\Y`~gYWcbXUfm~ gcifWY`Zfca`k\]W\`\_bck`YX[YcZh\Ya`\Ug`VYYb`cVhU]bYX"

8id`]WUh]cb`fl'gY`Zld`U[]Uf]ga "Ł`gi Va]hh]b[`mcif`ckb`kcf\_ž`]b`k\c`Y`cf`]b`dUfhž`k\YfY`]h\Ug`dfYj]cig`m VYYb`dfYdUfYX`cf`gi Va]hhYX`Zcf`Ubch\Yf`UggYggaYbhcf`WcifgY`UhIBGK`cf`Ubch\Yf`ib]jYfg]hm"

7 cffYWhfYZYfYbWjb[dfUWfjWYg.

• DUfUd\fUg]b[žgi a a Uf]g]b[žYggUmk f]h]b[ 'UbX'h]a Y'a UbU[ Ya Ybh

### 5WUXYa]W=bZcfaUh]cb

: cf'YggYbhJU``ghi XYbh']bZcfa UhJcb`fY`UhJb[ 'hc.

- fYei Yghg Zcf Yl hYbg]cb/
- `UhY 'gi Va ]gg]cbg '[ i ]XY `]bYg/
- fYj]Yk 'cZa Uf\_g/
- I BGK '<YU`h\ UbX'GUZYhmidc`]W}Yg/
- YI Ua ]bUh]cb'dfcWYXi fYg/
- gdYWJU`Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]m/UbX X]gUV]`]m/
- UbX'ch\Yf'YggYbh]U``UWUXYa ]W]bZcfa Uh]cbž'gYY

<u>htdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhgh XYbhg#UWUXYa ]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

## ⊨a U[Y<sup>·</sup>7fYX]h

H\]g`]a U[Y`]g`a mick b`dfcdYfhm

## 7F=7CG

7F=7CG<sup>·</sup>Dfcj]XYf<sup>·</sup>7cXY.<sup>·</sup>\$\$\$-,;