



# MUSC2703

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HYfa 'Hk c''##'&\$&%

GWXcc``cZHAY'5ftg'UbXA YXJU'##'1 BGK '5ftgž8YgJI b/ '5fWX JhYWñ fy

7 ci fgY`Cj Yfj ]Yk

GhJZZ'7cbhJWw'8YhU]`g

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K YVg]h: [k.k.k "Ufng"i bgk "YXi "Ui #gUa](#)

H\Y'GWcc`cZhY'5frg'UbX'A YX]U'k ci `X` ]\_Y`hc`F YgdYWwZ`m5W\_bck`YX[ Y`hY`HfUX]h]cbU`7 i ghcX]Ubgž  
hY'6YXY[ U`fP Ybg]b[ hcb`WJa di gŁž; UX][ U`f7 ]mUbX'5fv' 8Yg][ b'7 Ua di gYgŁ'UbX'hY'B [ i bbUk U`  
dYcd`Y`f5i ghfU]Ub'8YZYbVW': cfW'5WUXYa m]b'7 UbVYffUŁ'cZhY`UbXg'k \YFY`YUWX`WJa di g'cZI`BGK` ]g  
'cWJhYX"

7 ci fgY'8YHJ`g

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Gi VYWh5fYU.'? ge[U B W d\_ S` UW ? ge[U 7` eW\_ T`W

h`h]g'dfUW]W]`Wci fgY'mci `k ]`YI H`bX'mci f`UXj UbW`X`]bghfi a YbH`zj cWU`cf`Wca dcg]hcb`g\_]`g`k ]h`cbY!  
h!cbY`gi ddcfhZca `U`gdYW]U`]ghh hcfz`UbX`WcbH`I h U`]gY`hY`Udd`]WU]hcb`cZ`hcgY`g\_]`g`h`fci [ \  
dUfh]W]dU]hcb`]b`k cf\_g\cdgza UghYfWUggYg`UbX`YbgYa V`Yg`H\YgY`Wca dcbYbHg`k ]`Wca V]bY`h`Yb\UbW`  
mci f`gdYW]U`]ghghfYb[ h`g`UbX`]bH`fYgHg`k \]W`]b`h`fb`k ]`]bZca`mci f`k cf\_]`b`hY`gdYW]U`]gha U`c`fg`cZ`hY`  
6A i g`"A ]Yg`hcbYg`Zcf`hY`Wci fgY`UfY`]bZca`YX`a i g]W]Ubg`]dZ`Zcf`Vch`dYfZca`Yfg`UbX`Wca dcgYfgz`UbX`  
YZYW]j Y`dfUW]W]z`Ug`hY`VUg]g`cZ[ cU`cf]YbH`Xz`ghfU]H[ ]WUbX`Ui`hcbca`ci`g`a i g]Wa`U\_]b[ ""

BchY.`H\]g]g`U`%&`I C 7`Wci fgY`"Mci `k ]`Ybfc`]b`(` `I C 7`]b`YUW`cZ`h`fY`gi`W`W`gg]j`Y`h`fa`g`k ]h`U`fY`gi`h`  
fYdcfhYX`VmU`g]b[ `Y [ fUXY`Uh`hY`YbX`cZ`hY`h`]fX`(` `I C 7`Wci fgY`"

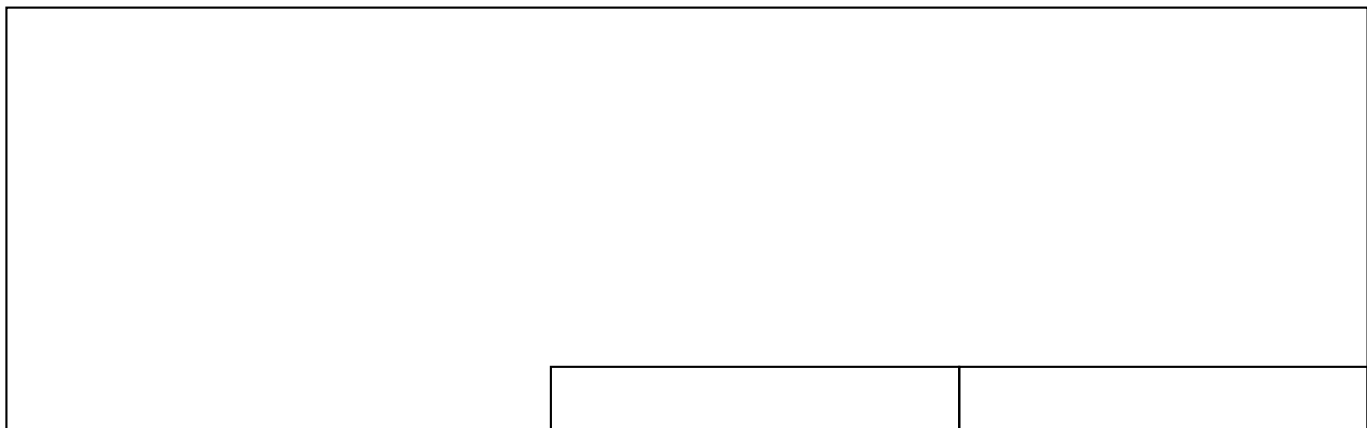
7 ci fgY`@YUfb]b[ `Ci hWca Yg

%` : cfa i `Uh`Ufh]gh]WcV`YW]j`Yg`i`bXYf`hY`[ i ]XUbW`cZU`hY`UW`Yfz`XYa`cbghfU]b[ `]bWYUg]b[ `h`W`b]W`  
g\_]`]b`dYfZca`UbW`cf`Wca`dcg]hcb`  
&" 5dd`m`hY`df]b]d`Yg`cZYZYW]j`Y`dYfgcbU`dfUW]W]`  
' " =>Yb]h]ZmfY`Uh]cbg`]dg`Ua`cb[ `WcbH`I`h`U`]ggi`Yg`]bZca`]b[ `dYfZca`UbW`dfUW]W]`  
( " 5dd`mdf]b]d`Yg`cZ`h`Ua`k`cf\_]`h`a`i`g]WYbgYa`V`Y`

HYUW]b[ `GhfUH[ ]Yg`

Gh XYbHg`i`bXYfU`\_`cbY!cb!cbY`Wcbgi`fU]hcbg`k ]h`gdYW]U`]ghh hcf`g`O`I`%`\ci`f`YUW`h`f]a`YghYfQ`UhY`bX`  
k`cf\_g\cdg`O`I`%)`\ci`fg`YUW`h`f]a`YghYfQ`UhY`bX`a`UghYfWUggYg`YX`Vm]j`]g]h]b[ `YI`dYfHg`W`X`ccg]b[ `( `I`&`  
\ci`fg`Zca`]b]bY`a`UghYfWUggYg`UW`c`gg`hY`mY`UfQ`UbX`dUfh]W]dU]h`]b`X]fYWYX`YbgYa`V`Yg`z`W`X`ccg]b[ `Zca`U`  
k ]X`Y`fUb[ `Y`c`Za`i`g]W]`ghmYg`UbX`W`h`fYg`UbX`dUfh]W]dU]h]b[ `]b`U`Z]bU`dYfZca`UbW`]b`YUW`h`f]a`YghYf`O`I`&`  
\ci`fg`fY`Y`UfgU`g`]b`YUW`h`f]a`YghYfQ`

BchY.`H\]g]g`U`%&`I C 7`Wci fgY`"Mci `k ]`Ybfc`]b`(` `I C 7`]b`YUW`cZ`h`fY`gi`W`W`gg]j`Y`h`fa`g`k ]h`U`fY`gi`h`  
fYdcfhYX`VmU`g]b[ `Y [ fUXY`Uh`hY`YbX`cZ`hY`h`]fX`(` `I C 7`Wci fgY`"



8YHJ]g.

5 0 f f e g W e k ] " V Y ' g i V a ] h Y X ' U W f c g g ' H % z ' H & ' U b X ' H ' " " ' H \ Y g Y ' k ] " V Y ' f Y ' U h Y X ' h c ' a U g h f W U g g Y g ' d f Y g Y b h Y X ' V m j ] g ] h b [ ' Y I d Y f h g ] b ' U ' f U b [ Y ' c Z a i g ] W J ' ' g h m Y g ' U b X ' U W h j ] h Y g " ' ' 7 f ] h e i Y ' e i Y g h c b g ' k ] " V Y ' g W J Z c ' X Y X ' h c Y b W c i f U [ Y ' g h i X Y b h g ' h c ] X Y b h ] Z m ] g g i Y g ' Z c f ' X ] g W g g ] c b z ' U b X ' h c ' X f U k ' ' ] b \_ g ' U a c b [ ' d Y f Z c f a U b W W ' Y ' Y a Y b h g U b X ' g V X c ' U f m ' ] h Y f U h i ' f Y "

K f ] h Y b ' Z Y X V U W \_ ' k ] " V Y ' d f c j ] X Y X ' c b ' ] b Y ' h f c i [ \ ' A c c X ' Y

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Gi Va ]gg]cb`bcHŸg. `]b`WUgg`dFYgYbHŸ]cb

Hi fb]h]b`gYH]b[ . H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

5ggYgga Ybh( . DfUW]W`YI Ua ]bUh]cb

GHUfhXUHŸ. `Bch5dd`]WV`Y

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H\Y`YI Ua ]bUh]cb`cZdYfZcfa UbW`\Ug`hk c`fY`UH`X`dUfH]": cf`]bghfi a YbH]`UbX`j cWU`ghi XYbH]`&) !a ]bi HŸg  
cZfYdYfH]fY`k ]`VY`dYfZcfa YX`]b`U`gYa ]!Zcfa U`W`bW`fhYbj ]fcba YbhUhH`Y`YbX`cZH`&f&& ƒ`5hiH`Y`YbX  
cZH` žgh XYbH]`k ]`VY`YI Ua ]bYX`cb`H`W`b]WU`fYdYfH]fY`UbX`g][ \HfYUX]b[ `Uddfcdf]UH`hc`H`Y]f



# F Ygci fWg

## DfYgWf]VYX`F Ygci fWg`

F ]b\_ž>"f9X"l"f&\$\$) l"? ge[US^bWad\_ S` UW EfgV[Me [ \_ge[US^f WbdWsf[a` ž7 Ua Vf]X[ Y. 7 Ua Vf]X[ Y I b]j Yfg]mDfYgg"

K ]`Ua cbž5`&\$\$(`f9X"l"? ge[US^7j UW`W UW efdSW[Me S` V fWUZ` [cgWe fa W ZS` UWbWad\_ S` UWCI žcFX I b]j Yfg]mDfYggžCI žcFX

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6Yfa Ubž6`f&\$\$\$\$l`@afWe Xa\_ fZWb[S` [efe TW UZ`BYk `<Uj Yb.`MU`Y`I b]j Yfg]mDfYgg"

6YfbUWžD`f%+`\*l`FZW[ fWbdWsf[a` aX8dW UZ ea`Y`@cbXcb.;`c`UbW"

6i hž>"ž/ `8fYmž gž@`f9Xg"l"f&\$\$%l`B`Sk[ Y i [fZ : [efack, FZWZ[efad[US^SbbcaSUZ fa ? ge[US^ Bwad\_ S` UW`7 Ua Vf]X[ Y. 7 Ua Vf]X[ Y I b]j Yfg]mDfYgg"

6fck bž7`f%--l`5`See[US^S` V Da\_ S` f[U bWad\_ [ Y bcdSUf[UW#) ` " ž#+" " žCI žcFX. CI žcFX I b]j Yfg]m DfYgg"

7cY\`cžJ`"f9X"l"f&\$\$` l`5S\_ Td[VYWUa\_ bS` [a` fa fZWYg[fSd`7 Ua Vf]X[ Y. 7 Ua Vf]X[ Y I b]j Yfg]mDfYgg"

7cZ]bž6`f%`\*l`&l`FZWe[ YWde dWbWfa[dW`f&bX`9X"l`A Yhi WXYbžBYk `>YfgYmGWfYWfck "

SSSSS`f%+` ,+l`5aX[ e eag` Ve aXe[ Y[ Y, b[ U]b We S` V Sbb[USf[a` aXhaUS^fWUZ` [cgWe i [fZ UZca\_ Sf[U hai WUZSdžf&bX`YX"l`A Yhi WXYbžBYk `>YfgYm`GWfYWfck "

8Uj ]Xgcbž>"f&\$\$(`l`FZW? ge[U BcdSUf[f[a` Wž5`XYg\`chž5g\[ UH

9gd]b]žB`f%+`+l`DwWbfa[dWxadfZWea`a ha[UW`A Yhi WXYbžBYk `>YfgYm`GWfYWfck "

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: `Ya ]b[ žFYbÅY`f&\$\$(`l`FZW[ `Wdha[UW fZW\_ S] [ Y aXS e[ YWd`BYk `Mcf\_`DYb[ i ]b];` fci d

; fYYbž6`f%+`\*l`FZW[ `WdYS\_ WaX\_ ge[U`BYk `Mcf\_`8ci V`YXUm`

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<YfVYfžH`ž/ `K U`UWž>"f9Xg"l"f%+`+l`FZW5S\_ Td[VYWUa\_ bS` [a` fa TdSee [ efdg\_ W fe`7 Ua Vf]X[ Y UbX`BYk `Mcf\_ž7 Ua Vf]X[ Y I b]j Yfg]mDfYgg"

<]bgcbžA`"f&\$\$\$\$l`9g[VWfa fZWb[S` [efe dWbWfa[dW`fl`fX`YX"l`6`cca ]b[ hcb.`bX]UbU`I b]j Yfg]mDfYgg"



<cXgcbžF "f&\$\$+L";` fWbSUF[a` f [ fWb`Sk S` V [ bdaH[eSf[a` [ `SI I bWb`ad\_ S` UW`@cbXcb. fF ci hYX[ Y"

<ck UřF cm`f&\$\$- L`FZWSdf aX8dW UZ b[S` a \_ge[U"BYk` <Uj Yb. MJY`I b]j Yfg]mDfYgg"

<i XgcbžF "f%- - +L`E fa`W f\_ W fZWZ[efack aXfW\_ ba dgTSfa"7 Ua Vf]X[ Y. 7 Ua Vf]X[ Y`I b]j Yfg]mDfYgg"

⊕[ `]gž="f&\$\$\* L" FZWbWb`ad\_ S` UWaXbabg`Sd\_ ge[Už: Ufb\Ua ž6i f]b[ ěcb. 5g\ UH

? fUa Yfž`>"f%- , , \$%o                    %o                    %o                    %o                    %o



Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

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≠mci`YbWci`bHYf`U`dfcV`Ya`k` \Yb`UHYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`  
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`lci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`\*)`XUmg`U`mY`Uf2`≠mci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`ZU`i`h`k`]h`Hi`fb]h]b`mci`a`UmUdd`m`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`  
a`i`ghf`Yh]b`mci`f`h]W`Yhbi`a`VYf`Z`ca`9I`HYfbU`Gi`ddcfh`f`U`cb[`k`]h`Ubmc`h`Yf`fY`Yj`Ubh`Xc`W`a`Yb`hg`L`hc`  
]b`Wi`XY`Ug`Yj`]XYb`V`hc`gi`ddcfh`mci`f`YI`HYbg]cb`Udd`]W]h]cb`≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfh`mci`k`j`  
Ui`hc`a`U]W]m`f`Y`W]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Z`mci`HY`Yd`cbY`mci`k`j`b`Y`Y`X`hc`gd`Y`W]Z]W]m`Ug`\_`Zc`f`cbY`  
Hi`fb]h]b`U`gc`d`fcj`]XYg`i`d`XU`h`g`cb`h`Y]f`g`mg`h`Ya`g`h`U`h`g`cb`Hk`]h`Y`f`"

;`Yb`Yf`U`m`z`Ugg`Ygga`Ybhi`Ug\_g`a`i`gh`VY`gi`Va`]h`Y`X`Y`Y`W`f`cb]W]m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`U`A`cc`X`Y`  
Ugg][`ba`Yb`h`-`b`]bg`h`U`b`W`g`k` \Y`fY`h`g`]g`b`ch`d`c`gg]V`Y`z`]h`k`]`VY`g`h`U`h`X`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`cf`]b`Z`fa`U`h]cb`cb`l`ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb`]b`Y`j`]U`A`cc`X`Y`.`h`h`d`g`#`gh`XYb`h`i`bgk`"YXi`"Ui`#`ck`!  
gi`Va`]h`Ugg][`ba`Yb`h`a`cc`X`Y`"

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

D`U[ ]Uf]ga `]g`i g]b[ `hY`k cfXg`cf`]XYUg`cZc`hYfg`UbX`dfYgYbh]b[ `hYa `Ug`mci f`ck b" `#WUb`hU`Y`a Ubm  
Zcfa gZ`Zca `XY`]VYfU`h`V`X`Y`U`h]b[ `hc`UW`Y`X`Y`b`U`m`W`c`d`m]b[ `Zca `U`gci f`W`k ]h`ci hUW`bck `YX[ Ya Yb`h`

I BGK `[ fci dg`d`U[ ]Uf]ga `]bhc`hY`Zc`ck ]b[ `W`h`Y[ cf]Yg.

7 cdm]b[ .`i`g]b[ `hY`gUa Y`cf`j Yfmg]a ]Uf`k cfXg`hc`hY`cf][ ]bU`hY`hcf`]X`Y`U`k ]h`ci hUW`bck `YX[ ]b[ `hY`



5 WUXYa ]W**⊖**Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[ `tc.