



# MUSC2115

A i g]WcZ\hY`%- h`7 Ybli fm

HYfa `C bY` `#`&\$&%

7 ci fgY`Cj Yfj ]Yk

GHJZZ`7 cbHJW`8 YHJ]`g

7 cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]`m	@cWUjcb	D\cbY
8cfcHmU` : UV]Ub	X"ZJV]Ub4 i bgk "YXi "Ui	VmWcbgi `Hjcb	K YVghYf`%\$'	- ' , ) * - ) (

GW`cc``7 cbHJW`i`bZcfa Uhjcb

GW`cc``cZ`hY`5fmg`UbX`A`YX]U

Fcca`" `%&`z`@Yj`Y`` žF`cVYfhK`YVghYf`6i`]X]b[ `fj`%`Ł

D\cbY.`f`\$&`Ł`-`'`,`,) `(,`)\*

9a Uj]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY: [k k k "Ufmg"i bgk "YXi "Ui #gUa](#)

H\Y`GW`cc``cZ`hY`5fmg`UbX`A`YX]U`k`ci`X``]`Y`h`F`YgdYW`z`m`5`W`bck`YX[`Y`h`Y`HfUX]`h`cbU``7`i`g`h`X]`U`bg`z`h`Y`6`Y`X`Y[`U`f`P`Y`bg]`b[`h`cb`W`Ja`di`g`Ł`ž` ;`UX][`U`f`7`]`m`U`b`X`5`f`h`/`8`Y`g][`b`7`U`a`di`g`Y`g`Ł`U`b`X`h`Y`B`[`i`bb`U`k`U`d`Y`cd`Y`f`B`i`g`f`U`]`U`b`8`Y`Z`b`V`W` :`c`f`W`5`W`U`X`Y`a`m]`b`7`U`b`V`Y`f`U`Ł`c`Z`h`Y`U`b`X`g`k` \`Y`f`Y`Y`U`W`W`Ja`di`g`c`Z`I`B`G`K` `]`g`c`W`U`h`Y`X`"

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`\*`

Gi a a UfmicZ`h`Y'7ci fgY

5`ghi XmicZ%- h!W`bh fmi9i fcdYUb`a i g]W]b`]hg`\\]grcf]WU`žgcW]U`UbX`W`hi fU`W`b`h`i`hg`" bWi XYg`U`hi hcf]U`"b  
a i g]W`c`[ ]WU`fYgYUfW`h`W`b]ei Yg`UbX`X]gW gg]cb`c`Z`\\]grcf]WU`dYfZ`fa ]b[ `W`bj Ybh]cbg"

7ci fgY`@YUfb]b[ `Ci hW`a Yg

%` 8Ya cbghfU`h`ZJa ]]Uf]mik ]h`h`Y`a cghfYdfYgYbhU]j Y`W`a dcg]h]cbg`c`Z`h`Y`F`ca Ubh]WdYf]cXž  
]bWi X]b[ `cdYfUž`@]YXYfž`gc`c`UbX`W`Ua VYf`a i g]W`UbX`c`fW`Yg]fU`k`cf`\_g"

&" 8]gW gg`h`Y`\\]grcf]WU`g][ b]Z]WbW`UbX`gm]gh]WZYU`h`fYg`c`Z%- h`W`bh fmiW`a dcg]h]cbg`]b`Ub  
Ufh]W`U`h`UbX`]bZ`fa YX`a UbbYf"

' " 8]gd`UmUW`ei ]fYX`\_bck`YX[ Y`UVci h`a i g]WUbX`gcW]Y]mi]b`%- h!W`bh fmi9i fcdY`UbX`h`Y`fc`Y`%- h!  
W`bh fmiUYgh`Y]h]Wgž]bh`Y`W`U`]XYUg`UbX`k`cfX!j ]Yk`d`UmYX`]b`g`Ud]b[ `a`cXYfb`a i g]W`c`[ ]WU`

# 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
9ggUm	( \$i	&&#\$( #&\$&%\$) . \$\$'DA	&ž'
' '']ghYb]b[ 'hYghg'	* \$i	Bch5dd']WUVY	%ž(

## 5ggYgga Ybh8YHU]`g

### 5ggYgga Ybh% '9ggUm

GHUfhXUH. 'Bch5dd']WUVY

@Yb[ h. '&\$\$\$'k cfxg

8YHU]`g.

&\$\$\$'k cfxgžZYXVUW\_dfcj ]YXX']b'h fb]hb"

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

9ggUm]`Uj Y'hc'`Uj Y'Ub'`hfcXi W]cbž8]gW gg]cb'UbX'7cbW]`g]cb" H\YmbYXX'hc'W]hWU`mYb[ U[ Y'k ]h  
gWc'Ufmgci fWg'UbX'fYZfYbW' hYa 'UWw'fx]b[ 'hc' hY'5D5'ghmY" H\Y'X]gW gg]cb'g\ci 'X'XYa cbghfUH  
ZJa ]]Uf]hm]k ]h'a i g]WU'YI Ua d'Yg'cZnci f'VXc]W'!! ]Y" gY'W]mci f'ck b'a i g]WU'YI Ua d'Yg'hc'YI Ya d']m  
k \Uhmci 'Uj Y'YUfbhZca 'UbX'UfY'X]gW gg]b[ 'cZhY'gWc'Ufmi']h'fUhi fY"

: i f\Yf']bZcfa U]cb'UbX'U'gY'YW]cb'cZgi [ [ YghY'X'hc'd]W]k ]`VY'dfcj ]YXX'Uh\Y'ghUfhcZ]hfa ']b'A ccX'Y"

Hi fb]hb]gYh]b[ . H\]g'Ugg][ ba Ybh]g'gi Va ]hY'X'h'ci [ \ 'Hi fb]hb'UbX'gh XYbhg'Xc'bchgYY'Hi fb]hb  
g]a ]Uf]hmifYdcfng"

### 5ggYgga Ybh&.' '']ghYb]b[ 'hYghg'

GHUfhXUH. 'Bch5dd']WUVY

8YHU]`g.

@]ghYb]b[ 'hYghg!' g\cfhYI W'fdhg #Ubgk Yfg!' a i g]WfYw[ b]h]cb'UbX'\_bck`YX[ Y'f] \$'a ]bi hYgžk f]hYb' /  
j YfVU`ZYXVUW\_"

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

G\cfhUi X]c'YI Ua d'Yg'k ]`VY'd'UmYX'gY'YWYX'Zca 'hY''ghicZk cf\_g'Ugg][ bYX'Zc'fa i g]W]ghYb]b[ "Mci 'k ]`  
VY'Ug\_YX'hc']XYbh]Zm'hY'Wta dcgYfž'h]hYž [ YbfY'UbX'Uddfcl ]a UhY'XUH'cZwta dcg]h]cb" Mci 'k ]`U'gc'VY  
fYeI ]fYX'hc'k f]h'cbY'cf'k c'gYbh'bwg'YI d'U]b]b[ 'hY'a i g]WU'cf'\]ghcf]WU'g][ b]Z]WbW'cZhY

Wca dclhcb"

Gi Va ]gg]cb'bcH'g. " ]b!WUgg'h'gh'cb'k YY\_g'( ž+'UbX'%\$

Hi fb]h]b'gYh]b[ . H\]g ]g'bchU'Hi fb]h]b'Ugg][ ba Ybh

## 5 HbXUbW F Yei ]fYa YbHg

Gh XYbHg UfY gHfcb [ mYbWci fU[ YX hc UHbX U WUggYg UbX fYj ]Yk YWfi fY fYWcfX]b [ g"

## 7 ci fgY GWYXi Y

[J Yk WUgg Hja YHUVY](#)

Hja YHUVY

8 UHr	HmdY	7 cbHrYbh
K YY_% %) : YVfi Ufm! %- : YVfi Ufm		@YWh fY. < ]ghcf]WVUV[ fci bX hc a i g]W]b hY 7 %- h  F ca Ubh]Wga ]b a i g]W A i g]W [ YbfYg UbX gmi]gh]W WXUfUWrf]gh]Wg  Hi hc]U'g. '6YYhcj Yb'g' fX UbX * h Gma d\cb]Yg/ K YVYf. '8 Yf: fY]gWXØmžK c'Z; Yb'GWbY
K YY_&.&&: YVfi Ufm! '&' : YVfi Ufm		@YWh fY. 'C fWX YghfUg UbX c fWX YghfU]cbž hY "a YUb]b [ " cZ]bghf a Ybh U Wc ci fg  Hi hc]U'g. 'Gma d\cbmi: UbhUgh]ei Y f6Yf]cnž H]` 9i Ybgd]Y [ Y fF ]WXUfX GfUi ggž 6fU\ a gžA U\ Yf UbX K U [ bYf
K YY_" . : %A UfWX ! ) A UfWX		@YWh fY. > [Wž U ei ]bh YggYbh]U F ca Ubh]WUfhZ: fa  Hi hc]U'g. 'H Y Gcb [ g cZGW i VYfž GW i a Ubbž 6fU\ a g c f K c Z UbX F " GfUi gg
K YY_( ; : A UfWX ! '%& A UfWX		@]gh]b]b [ 'hYgh% ! ]b Hi hc]U fC fWX YghfU UbX @]YXž  @YWh fY. 'D]Ubc a i g]W]b hY %- h Wbhi fmi="
K YY_) . : %A UfWX ! %- A UfWX		@YWh fY. 'D]Ubc a i g]W]b hY %- h Wbhi fmi="

		Hi hcf]U`g. ' #U]Ub`C dYfUžJ YfX]
K YY_ ; . :) '5df]'! '- '5df]`		@YWh fY. 'K U[ bYf` Hi hcf]U`g. 'K U[ bYf`
K YY_ - . %&'5df]'! '%* 5df]`		@YWh fY. 'C dYfU`]b`hY`gYWłbX`U`ZcZhY`%- h VWbhi fm Hi hcf]U`g. 'J YfX]ž6]nYhžDi WYb]`fK U[ bYfł
K YY_ %\$. %- '5df]'! '& 5df]`		@]ghYb]b[ 'hYgh" '!'fłdYfUł`" @YWh fY. 'F Yj ]g]cb`UbX`Gi a a Ufm Hi hcf]U`g. 'F Yj ]g]cb`UbX`]ghYb]b[ 'hYgh

# F Ygci fWg

## DfYgWf]VYX`F Ygci fWg`

HUfi g\_]bžF ]WUfX. 'H\Y`C I ZcfX`\]gfcfmcZK YghYfb`A i g]W!`A i g]W]b`hY`B ]bYhYbH`7Ybhi fm!`Y6cc\_ Uj U]UV`Y`hfc i [ \ `i B GK `@]VfUfm

5XX]hcbU`i gYZ ``gi fj Ym`Vcc\_g.

@cb[ mYUfžF UmžA .`B ]bYhYbH!Wbhi fmifca Ubh]Wga `]b`a i g]W`9b[ `Yk ccX`7`]ZgžB">"žDfYbH]W!<U`ž%- \*-

D`Ubh]b[ Už@Ycb. `F ca Ubh]Wa i g]W!`U`\]gfcfmcZa i g]WU`gmY`]b`b]bYhYbH!Wbhi fm9i fcdY``BYk`Mcf\_`. K "K "`Bcfrcbž%` , (

F UfbYfž@YcbUfX. `F ca Ubh]Wa i g]W!`gci bX`UbX`gmbHl "`BYk`Mcf\_`. `GW]fa Yf`6cc\_gž%- -&"

: i fhYf`fYgci fWg`k ]``VY`dfcj ]YX`]b`WUgg`UbX`A ccX`Y"

## F YWca a YbXYX`F Ygci fWg

GWcfYg`UbX`fYWcfX]b[ g`cZk cf\_g`ghi X]YX"

5b`YggYbH]U``]gh]bWi XYg`hY`Zc`ck ]b[ `]hYa g.

C fWYgHfU`.

6YYh`cj Yb. `Gma d\cbmBc"" `f9fc]WŁ

6Yf]cn. `Gma d\cbm: UbhUgh]ei Y

6fU\`a g. `Gma d\cbmBc""%ž( h`a cj Ya Ybh

A U\`Yf. `Gma d\cbmBc"" ) ž( h`a cj Ya YbhfBXU[ ]YhŁ

F ]WUfX`GfUi gg. `H]``9i `Ybgd]Y[ Y`

Gc`c`D]Ubc.

@]gnh`6`a ]bcf`GcbUhU

7\`cd]b. `BcW`h fbY`Cd"- `Bc""&/`6U`UXY`Bc""%]b`; `a ]bcf

GWXi a Ubb. `7UfbUj U`

@]YXYf.

GWXi VYfh`H\Y`9f\_]b[ `f9f`\_cb][ Ł/`gY`YW`X`gcb[ g`Zca `K ]bhYffY]gY`



Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

Hi fb]h]b`Gi Va ]gg]cb

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`UgY`  
HY`Yd`l`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`),`"`,`'`,`%`cf`Ya`Uj`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`  
l`ci`fg`UfY`,`.\$`\$Ua`-`-%`\$`.\$`\$da`i`cb`k`YY`\_X`Umg`U`bX`-`.\$`\$Ua`-`,`).`.\$`\$da`i`cb`k`YY`\_Y`bXg`f`l`\*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`  
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`  
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Yj`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`  
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`j`  
Ui`h`ca`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`l`cb`Y`mci`k`j`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`\_`Z`f`c`b`Y`"  
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`gi`d`X`U`h`g`c`b`h`Y`j`f`g`m`g`h`Ya`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`U`gg`Y`g`ga`Y`b`h`i`U`g`\_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`  
U`gg][`ba`Y`b`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`j`V`Y`g`h`U`h`X`c`b`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`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h`U`gg][`ba`Y`b`h`g`c`b]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!  
gi`Va`]h`U`gg][`ba`Y`b`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[ `h`U`W`Y`X`Y`b`h`U`m`W`c`d`m]b[ `Z`ca `U`gci f`W`k ]h`ci h`U`W`b`ck `Y`X[ `Y`a `Y`b`h`

I B G K ` [ fci dg`d`U[ ]Uf]ga `]b`h`c`h`Y`Z`c`ck ]b[ `W`U`h`Y` [ cf]Yg.

7 cdm]b[ .`i`g]b[ `h`Y`g`U`a `Y`c`f`j`Y`f`m`g]a ]U`f`k`c`f`X`g`h`c`h`Y`c`f][ ]b`U`h`Y`h`c`f`]X`Y`U`k ]h`ci h`U`W`b`ck `Y`X[ ]b[ `h`Y`



5 WUXYa ]W=Zcfa Uh]cb

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

- fYei Ygth`Zc`Yl H`bg]cb/
- `Uh`gi Va ]gg]cbg`[ i ]XY`]bYg/